



DEPARTMENT OF CHEMISTRY

FACTBOOK

CALENDAR YEARS
2005 through 2007

Dr. Michael G. Richmond, Chair, Department of Chemistry

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Acree	Marshall, P.
Bagus	Mason
Borden	Omary
Chyan	Richmond
Cooke	Schwartz
Cundari	Stockland
Golden	Verbeck
Kelber	Wilson
Marshall, J.	

Faculty Papers and Seminars 94

Acree	Marshall, P.
Bagus	Mason
Borden	Omary
Brateman	Richmond
Chyan	Schwartz
Cooke	Selby
Cundari	Stockland
Golden	Thomas
Kelber	Verbeck
Marshall, J.	Wilson

DEPARTMENT OF CHEMISTRY

SUMMARY FACT SHEET FOR 2005 through 2007

FACULTY:

2005	20 - Faculty (17 Tenured or Tenure-Track, 2 Lecturers, 1 Associated Faculty, 1 Research Professor), 10 - Visiting Professors, Adjuncts, and Postdoctoral Researchers
2006	22 - Faculty (18 Tenured or Tenure-Track, 2 Lecturers, 1 Associated Faculty, 1 Research Professor), 13 - Visiting Professors, Adjuncts, and Postdoctoral Researchers
2007	22 - Faculty (18 Tenured or Tenure-Track, 2 Lecturers, 1 Associated Faculty, 1 Research Professor), 13 - Visiting Professors, Adjuncts, and Postdoctoral Researchers

PUBLICATIONS:

2005	Publications - 119
2006	Publications - 122
2007	Publications - 107

PAPERS PRESENTED

2005	Papers Presented - 193
2006	Papers Presented - 127
2007	Papers Presented - 116

EXTERNAL FUNDING SUPPORT:

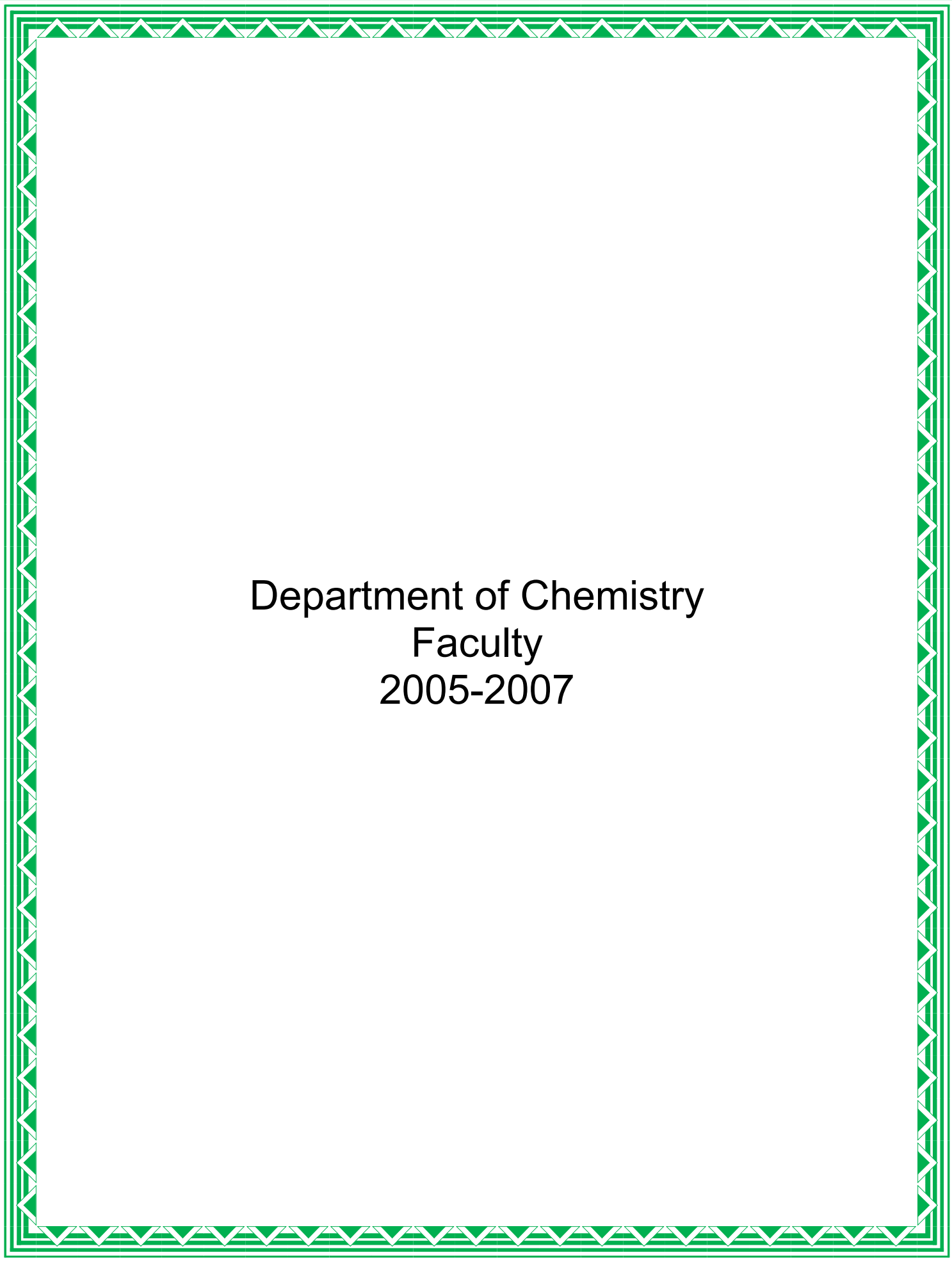
ACS Petroleum Research Fund
AMD Corporation
American Association for the Advancement of Science, WISC
American Chemical Society
American Chemical Technology
Coral Energetics, Inc.
Eastman Kodak
Eisenhower Grant
Enthone Corporation
Environmental Protection Agency
International Union of Pure and Applied Chemistry (IUPAC)
Journal of Chemical Education
Lam Research
Los Alamos National Laboratories (LANSCE Lujan Neutron Facility)
Maui High Performance Computing Center
NASA
National Center for Supercomputer Applications (NCSA)
National Partnership for Advance Computational Infrastructure (NPACI)

DEPARTMENT OF CHEMISTRY

SUMMARY FACT SHEET FOR 2005 through 2007

EXTERNAL FUNDING SUPPORT - cont:

Los Alamos National Laboratories (LANSCE Lujan Neutron Facility)
Maui High Performance Computing Center
NASA
National Center for Supercomputer Applications (NCSA)
National Partnership for Advance Computational Infrastructure (NPACI)
NRC
NSF Earth Sciences Directorate
NSF International Program
NSF POWRE Award
NSF Research Experience for Undergraduates (REU)
National Science Foundation
Oakridge National Laboratory
Robert A. Welch Foundation
Sandia National Laboratories
Sematech
Semiconductor Research Corporation
Silicon Graphics Inc. (SGI)
Texas Advanced Research Program (TARP)
Texas Advanced Technology Program (TATP)
Texas Infrastructure Fund (TIF)
Texas Instruments (TI)
Trinity University
TXU
UNT Dean's Summer Research
UNT Faculty Research
UNT Grant Proposal Preparation Program
UNT Junior Faculty Summer Research
UNT Faculty Research Initiation Grant
UNT Research Opportunities Grant
UNT Supplemental Travel
UNT Summer Faculty Fellowship Program
UNT Teaching with Technology Grant
UNT Undergraduate Instructional Development Grant
U.S. Department of Energy, Office of Basic Energy Science



Department of Chemistry
Faculty
2005-2007

DEPARTMENT OF CHEMISTRY FACULTY
2005 through 2007

Dr. William E. Acree, Jr., Professor

B.S., 1975, University of Missouri-Rolla
M.S., 1977, University of Missouri-Rolla
Ph.D., 1981, University of Missouri-Rolla

Dr. Paul Bagus, Research Professor

B.S., 1959, University of Chicago
M.S., 1959, University of Chicago
Ph.D., 1965, University of Chicago

Dr. Weston Thatcher Borden, Professor and Welch Chair

B.A., 1964, Harvard University
M.A., 1966, Harvard University
Ph.D., 1968, Harvard University

Dr. Paul S. Braterman, Regents Professor (Retired June 30, 2006)

B.A., 1960, Balliol College, Oxford
M.A., D. Phil., 1963, Balliol College, Oxford
D.Sc., in Physical Science, 1985, Balliol College, Oxford

Dr. Oliver Chyan, Professor

B.S., 1980, Nat'l Chung-Hsing University
M.S., 1982, Nat'l Taiwan University
M.S., 1984, U. T. Arlington
Ph.D., 1990, M.I.T
Postdoctoral, 1990-92, University of Cincinnati

Dr. Stephen A. Cooke, Assistant Professor

B.S., 1995, University of Exeter, Devon, England
Ph.D., 1999, University of Exeter, Devon, England
Postdoctoral, 2000-01 Technical University of Denmark
Postdoctoral, 2001-03 University of British Columbia
Research Associate, 2003-05 University of British Columbia

Dr. Thomas Cundari, Professor

B.S., 1986, Pace University,
Ph.D., 1990, University of Florida

Dr. Sushama Dandekar, Lecturer

B.S., 1975, University of Bombay
M.S., 1977, University of Bombay
Ph.D., 1992, Virginia Tech

DEPARTMENT OF CHEMISTRY FACULTY
2005 through 2007 - *cont.*

Dr. Robert Desiderato, Jr., Associate Professor (Retired May 31, 2005)

A.B., 1961, Columbia College
Ph.D., 1966, Rice University
Postdoctoral, 1965-66, University of Pittsburgh
Postdoctoral, Summer, 1969, Oak Ridge National Lab

Dr. Teresa Golden, Associate Professor

B.S., 1985, Texas Tech University
Ph.D., 1992, New Mexico State University
Postdoctoral, 1992-94, University of Missouri

Dr. Paul R. Jones, Professor (Retired May 31, 2006)

B.S., 1962, Pennsylvania State University
Ph.D., 1966, Purdue University
Postdoctoral, 1967, University of Wisconsin, Madison

Dr. Jeffry A. Kelber, Regents Professor

B.S., 1975, California Institute of Technology
Ph.D., 1979, University of Illinois at Urbana

Dr. James Marshall, Professor (*Associated Faculty Member*)

B.S., 1962, Indiana University
Ph.D., 1966, Ohio State University
Postdoctoral, 1966-67, University of Colorado

Dr. Paul Marshall, Regents Professor

B.A., 1982, University of Cambridge
Ph.D., 1985, University of Cambridge
Postdoctoral, 1985-88, Rensselaer Polytechnic Institute

Dr. Diana Mason, Associate Professor

B.A., 1974, University of Texas at Austin
M.S., 1978, Texas A & M Commerce
Ph.D., 1994, University of Texas at Austin

Dr. Mohammad Omary, Associate Professor

B.S., 1990, Yarmouk University
M.S., 1992, Yarmouk University
Ph.D., 1997, University of Maine
Postdoctoral, 1999-01, Texas A & M University

Dr. Michael G. Richmond, Professor and Chair (2007-present)

B.S., 1980, State University of New York, College at Fredonia
Ph.D., 1983, University of Alabama
Postdoctoral, 1983-84, Indiana University and University of Houston
Visiting Assistant Professor, 1984-86, University of Houston

DEPARTMENT OF CHEMISTRY FACULTY
2005 through 2007 - *cont.*

Dr. Jean B. Schaake, Lecturer and Associate Dean
College of Arts and Sciences
B.A., 1965, St. Olaf College
M.S., 1969, University of Pennsylvania
Ph.D., 1973, University of Florida

Dr. Martin Schwartz, Regents Professor
B.S., 1967, Case Institute of Technology
Ph.D., 1972, University of Wisconsin
Postdoctoral, 1972-74, University of Utah

Dr. Trent Selby, Assistant Professor
B.S., 1992, Western Kentucky University
M.S., 1995, Virginia Tech
Ph.D., 2001, University of Alabama
Postdoctoral, 2001-03, University of Utah

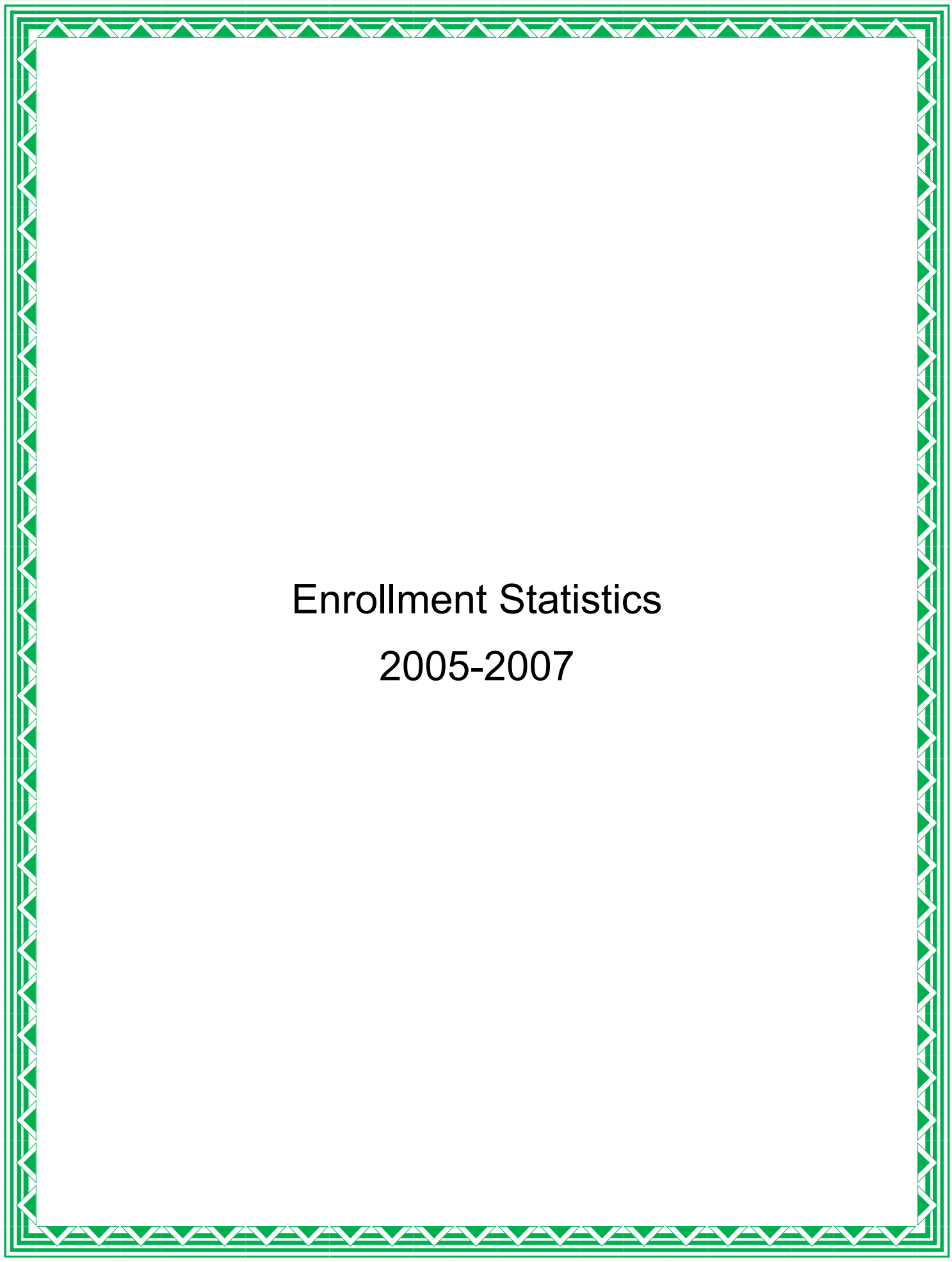
Dr. Robert Stockland, Assistant Professor
B.S., 1994, St. Cloud State University
Ph.D., 1999, University of Missouri
Postdoctoral, 1999-2000, University of Iowa and University of Chicago

Dr. LeRoy J. Theriot, Professor
B.S., 1957, University of Southwestern Louisiana
Ph.D., 1962, Tulane University
Postdoctoral, 1963, Harvard University
Postdoctoral, 1964, University of Texas

Dr. Ruthanne Thomas, Professor and Chair
B.S., 1974, Denison University
Ph.D., 1981, Wayne State University

Dr. Guido Verbeck, Assistant Professor
B.S., 1996, Northeast Louisiana University
M.S., 1999, University of Alabama
Ph.D., 2004, Texas A&M University

Dr. Angela K. Wilson, Associate Professor
B.S., 1990, Eastern Washington University
Ph.D., 1995, University of Minnesota
Postdoctoral, 1995-97, Pacific Northwest National Laboratory



Enrollment Statistics
2005-2007

UNDERGRADUATE ENROLLMENT STATISTICS SUMMARY

COURSE	SPRING ENROLLMENT			SUMMER ENROLLMENT			FALL ENROLLMENT		
	2005	2006	2007	2005	2006	2007	2005	2006	2007
1351	294	322	287	54	50	0	290	349	359
1352	274	261	236	54	53	0	280	306	339
1410	179	221	210	56	95	94	639	776	807
1413	0	0	0	0	0	0	47	0	0
1420	402	426	489	80	87	95	97	104	104
1423	0	40	0	0	0	0	0	0	0
1430	149	170	179	43	62	73	607	658	670
1440	377	417	427	55	58	79	65	84	85
2370	93	115	113	69	43	86	262	290	291
2380	158	192	223	46	58	97	77	69	47
2900*	19	13	14	6	7	8	4	2	4
2910*	0	2	1	2	0	0	1	1	0
3210	76	75	71	38	37	41	199	236	233
3220	130	162	183	35	45	53	58	59	45
3230	0	0	0	0	0	0	18	19	18
3240*	8	16	11	0	0	0	0	0	0
3451	0	0	0	0	0	0	47	73	69
3452	0	0	0	0	0	0	41	66	57
3510	0	0	0	0	0	0	33	42	46
3520	14	24	31	0	0	0	0	0	0
3530	26	35	40	0	0	0	0	0	0
3601	0	0	0	0	0	0	28	26	26
3602	0	0	0	0	0	0	25	17	17
4610	0	0	0	0	0	0	15	20	9
4620	5	6	16	0	0	0	0	0	0

UNDERGRADUATE ENROLLMENT STATISTICS SUMMARY

COURSE	SPRING ENROLLMENT			SUMMER ENROLLMENT			FALL ENROLLMENT		
	2005	2006	2007	2005	2006	2007	2005	2006	2007
4631	14	19	24	0	0	0	0	0	0
4632	8	16	22	0	0	0	0	0	0
4660	5	5	0	0	0	0	0	0	0
4670	0	29	0	0	0	0	0	0	0
4700	0	0	0	0	0	0	0	0	2
4900*	9	13	11	7	19	13	6	6	14
4910*	1	1	0	0	0	0	5	1	3
4920	0	0	1	0	0	0	0	0	0
4930	0	0	0	0	0	0	3	4	0
4940	3	7	6	0	0	0	8	4	4
4980	0	0	15	0	0	0	0	0	0

**Special problems courses*

GRADUATE ENROLLMENT STATISTICS SUMMARY

COURSE	SPRING ENROLLMENT			SUMMER ENROLLMENT			FALL ENROLLMENT		
	2005	2006	2007	2005	2006	2007	2005	2006	2007
5010	0	0	0	0	0	0	18	17	17
5200	0	0	0	0	0	0	19	19	17
5210	11	13	10	0	0	0	0	0	0
5380	12/7#	7/9#	11/0#	0	0	0	0	0	0
5460	16/5#	11/0#	11/11#	0	0	0	0	0	0
5500	0	0	0	0	0	0	11	6	9
5560	0	0	0	0	0	0	18/10#	13/7#	15/8#
5570	0	0	0	0	0	0	16	9	14
5620	10	10	0	0	0	0	9	0	14
5640	7	0	0	0	0	0	0	17	0
5650	0	0	10	0	0	0	0	0	0
5660	7	7	0	0	0	0	0	0	0
5710	14	12	16	0	0	0	0	0	0
5800	0	0	0	0	0	0	0/1#	0/0#	0/0#
5810#	0	0	0	0	0	13#	0	0	0
5820	0	0	0	11	11	0	0	0	0
5900	0/0#	17/1#	0/1#	1/1#	7/1#	1/1#	1/0#	2/1#	1/1#
5910*	0/1#	0/2#	0/1#	0/0#	1/0#	0/0#	1/0#	0/2#	0/1#
5940	48	47	47	0	0	0	55	57	55
5950	8	5	4	12	3	7	5	4	5
6010	8	12	15	0	0	0	10	12	11
6910*	0	0	0	0	0	0	0	0	0
6940	43	45	48	65	62	60	43	41	31
6950	13	16	8	10	8	6	14	12	14

*Special problems courses

#On-line courses not included prior to Spring 2005

SEMESTER CREDIT HOURS

SEMESTER	UNDERGRADUATE HOURS	GRADUATE HOURS	TOTAL HOURS
2005			
Spring	5,501	558	6,059
Summer I	694	147	841
Summer II	487	115	602
Fall	5,945	590	6,535
2005 Total	12,627	1,410	14,037
2006			
Spring	5,417	514	5,931
10 Week Summer	17	0	17
Summer I	725	163.5	889
Summer II	562	132.5	695
Fall	6,722	564	7,286
2006 Total	13,443	1,374	14,817
2007			
Spring	5,518	495	6,013
10 Week Summer	13	39	52
Summer I	667	114	781
Summer II	724	117	841
Fall	6,798	587	7,385
2007 Total	13,720	1,352	15,072



Graduate Students
2005-2007

GRADUATE STUDENTS 2005-2007

ADEBOJE, Adewale (Wale)
(Dr. Mason)
Chemistry Education, Ph.D.

AKINTOMIDE, Temi
(Dr. Selby)
Organic, M.S.

ALECU, Ionut (John)
(Dr. P. Marshall)
Physical, Ph.D.

AMBADAPADI, Sriram
(Dr. Braterman)
Analytical, M. S.

ARVAPALLY, Ravi
(Dr. Omary)
Inorganic, Ph.D.

BAKER, David
(Dr. Golden)
Industrial, M.S.

BAILLIO, Sarah
(Dr. Mason)
Chemistry Education, M.S.

BARAKAT, Khaldoon
(Dr. Cundari)
Inorganic, Ph.D.

BAYLESS, ANNA
(Dr. Mason)
Chemistry Education, M.S.

BIRDWELL, David
(Dr. Verbeck)
Analytical, Ph.D.

BJELKEVIG, Cameron
(Dr. Kelber)
Analytical, Ph.D.

BLEDSOE, Jennifer
(Dr. Richmond)
Organic, M.S.

BOATENG, Stephen
(Dr. Omary)
Inorganic, M.S.

BROWN, Bradley
(Dr. Golden)
Industrial, M.S.

BROWN, Jennifer
(Uncommitted), Ph.D.

BROWNING, Charles
(Dr. Omary)
Inorganic, M.S.

BURSHE, Christopher
(Dr. Golden)
Industrial, M.S.

CAO, Liyan
(Uncommitted)

CAROTHERS, Larry
(Uncommitted)

CHALUVADI, Satyanarayan
Undecided, M.S.

CHEN, Wei-Hsuan (Joyce)
(Dr. Omary)
Inorganic, Ph.D.

CONRAD, Heidi
(Dr. Golden)
Analytical, M.S.

DAVILA, Stephen
(Dr. Verbeck)
Analytical, Ph.D.

DAVIS, James
(Dr. Golden)
Analytical, Ph.D.

DELEON, Vallerie
(Dr. Golden)
Analytical, M.S.

DETERMAN, John
(Dr. Wilson and Dr. Omary)
Physical, Ph.D.

DEWBERRY, Chris
(Dr. Cooke)
Physical, Ph.D.

DIECKMANN, Loraine
(Dr. Golden)
Industrial, M.S.

DINESCU, Adriana
(Dr. Cundari)
Inorganic, Ph.D.

DU, Mingming
(Dr. Kelber)
Analytical, Ph.D.

ETCHISON, Kerry
(Dr. Cooke)
Physical, Ph.D.

FORD, Robyn
(Dr. Mason)
Chemistry Education, M.S.

GADDAM, Sneha
Uncommitted
Undecided, M.S.

GADE, Karthik
(Uncommitted)

GONZALEZ, Hector
(Uncommitted), M.S.

GRIMES, Tom
(Dr. Cundari)
Physical, Ph.D.

GRUBBS, Gary (Smitty)
(Dr. Cooke)
Physical, Ph.D.

HANKS, Laura
(Dr. Golden)
Analytical, Ph.D.

HATTORI, Heather
(Dr. Mason)
Chemistry Education, Ph.D.

HENDERSON, Kiara
(Dr. Mason)
Chemistry Education, M. S.

HOGUE, Sharon
(Dr. Mason)
Chemistry Education, Ph.D.

HOLLEY, Kathleen
(Dr. Mason)
Chemistry Education, Ph.D.

HUANG, Shih-Huang
(Dr. Richmond)
Organic, Ph.D.

HUDSON, Josh
(Dr. Omary)
Inorganic, Ph.D.

HUNT, Sean
(Dr. Golden)
Analytical, M.S.

IDE, Daniela
(Dr. Stockland)
Inorganic, Ph.D.

JORGENSEN, Kameron
(Dr. Verbeck)
Analytical, Ph.D.

JUNG, Jiyoung
(Dr. Selby)
Organic, Ph.D.

JUPE, Casie
(Dr. Stockland)
Inorganic, Ph.D.

KAIPA, Usha Sree
(Drs. Omary and Selby)
Organic, Ph.D.

KANDALA, Srikanth
(Dr. Richmond)
Organic, Ph.D.

KERR, Kate
(P. Marshall)
Physical, Ph.D.

KHAN, Nudrat
(Golden)
Industrial, M.S.

LEDBETTER, Nicole
(Dr. Verbeck)
Analytical, M.S.

MANANDHAR, Sudha
(Dr. Kelber)
Analytical, Ph.D.

MARTINI, David
(Dr. Kelber)
Analytical, Ph.D.

MEWHINNEY, Christina
(Dr. Mason)
Chemistry Education, Ph.D.

MINTZ, Ben
(Dr. Wilson)
Physical, Ph.D.

MINTZ, Christina
(Dr. Acree)
Analytical, Ph.D.

MITCHELL, Kacy
(Dr. Mason)
Chemistry Education, M.S.

MOLINA, Cathy
(Dr. Golden)
Analytical, M.S.

MORELLO, GLENN
(Dr. Cundari)
Inorganic, Ph.D.

NANAVIE, VINCENT
(Dr. Golden)
Industrial, M.S.

NOLES, Jaime
(Dr. Mason)
Chemistry Education, M.S.

OGLETREE, Doug
(Dr. Mason)
Chemistry Education, M.S.

OEDEPO, Gbenga
(Dr. Wilson)
Physical, Ph.D.

PAYNE, Stacy
(Dr. Mason)
Chemistry Education, M.S.

PIERPONT, Aaron
(Dr. Cundari)
Inorganic, Ph.D.

PILLAI, Karthikeyan
(Dr. Chyan)
Analytical, Ph.D.

POWELL, Cynthia
(Mason)
Chemistry Education, Ph.D.

PRASCHER, Brian
(Dr. Wilson)
Physical, Ph.D.

PRNKA, Ryan
(Dr. Mason)
Chemistry Education, Ph.D.

ROBERTS, Morgan
(Dr. Golden)
Industrial, M.S.

RODRIGUEZ, Marco
(Dr. Stockland)
Organic, Ph.D.

RUSSELL, Christopher
(Dr. Mason)
Chemistry Education, M.S.

SAIYED, Seema
(Dr. Selby)
Organic, Ph.D.

SALAVAR, Gustavo
(Dr. Omary)
Inorganic, M.S.

SATUMTIRA, Nisa
(Dr. Omary)
Inorganic, M.S.

SHAKER, Ziad
(Dr. Mason)
Chemistry Education, Ph.D.

SHERMAN, Kristin
(Dr. Mason)
Chemistry Education, Ph.D.

SINHA, Pankaj
(Dr. Omary)
Inorganic, Ph.D.

SPENS, Nicholas
(Drs. Stockland and Omary)
Inorganic, M.S.

SPRUNGER, Laura
(Dr. Acree)
Analytical, Ph.D.

SREERAMULA, Gokul
(Undecided)

STAPLES, Deirdre
(Dr. Mason)
Chemistry Education, M.S.

TANNA, Jigisha

(Dr. Borden)
Organic, M.S.

TEKARLY, Samer

(Drs. Cundari and Wilson)
Physical, Ph.D.

VENKATARAMAN, Shyam

(Dr. Chyan)
Analytical, M.S.

VOLGAMORE, Mitzi

(Uncommitted)
Physical, Ph.D.

WALKER, Gail

(Dr. Mason)
Chemistry Education, Ph.D.

WILKS, Justin

(Dr. Kelber)
Analytical, Ph.D.

WILLIAMS, Gavin

(Dr. Wilson)
Physical, Ph.D.

WILLIAMS, Janelle

(Golden)
Industrial, M.S.

WILSON, Brent

(Dr. Wilson)
Physical, Ph.D.

WRIGHT, DeMarcus

(Dr. Mason)
Chemistry Education, M.S.

WU, Guanmin

(Dr. Richmond)
Organic, Ph.D.

YANG, Fang

(Dr. Chyan)
Analytical, Ph.D.

YU, Kai-Hung

(Dr. Chyan)
Analytical, M.S.

YU, Liwen

(Dr. Schwartz)
Physical, Ph.D.

ZVAIGZNE, Anita

(Dr. Acree)
Analytical, Ph.D.



Visiting Professors, Adjuncts, and
Postdoctoral Researchers
2005-2007

ADJUNCTS, POSTDOCTORAL RESEARCHERS, TEACHING FELLOWS, AND VISITING PROFESSORS - 2005

ADJUNCTS

Omary, Manal
Ph.D., University of Maine at Orono

Jasper, Stephen
Ph.D., Indiana University

POSTDOCTORAL RESEARCHERS

Working for:

DeYonker, Nathan
Ph.D., University of Georgia

Wilson

Gao, Yide
Ph.D., University of Science and Technology of China, China

P. Marshall

Jasper, Stephen
Ph.D., Indiana University

Thomas

Magtoto, Noel
Ph.D., Ohio University

Kelber

Shelton, Robert
Ph.D., University of Florida

Borden

Srinivas, Gantasala
Ph.D., University of Hyderabad, India

Schwartz

Wei, Haiyan
Ph.D., Beijing University, China

Borden

Yang, Chi
Ph.D., Beijing University, China

Omary

Zhou, Xin
Ph.D., Jilin University, China

Borden

TEACHING FELLOWS

No Teaching Fellow appointments in 2005

VISITING PROFESSOR

No Visiting Professor appointments in 2005

ADJUNCTS, POSTDOCTORAL RESEARCHERS, TEACHING FELLOWS, AND VISITING PROFESSORS - 2006

ADJUNCTS

Nikolaus Fischer
Ph.D., University of Tubingen, Germany

David Hrovat
Ph.D., Columbia University

POSTDOCTORAL RESEARCHERS

Working for:

DeYorker, Nathan
Ph.D., University of Georgia

Wilson

Gao, Yide
Ph.D., University of Science and Technology of China, China

P. Marshall

Jasper, Stephen
Ph.D., Indiana University

Thomas

El-Bjeirami, Ossauma
Ph.D., University of North Texas

Omary

Shelton, Robert
Ph.D., University of Florida

Borden

Srinivas, Gantasala
Ph.D., University of Hyderabad, India

Schwartz

Wei, Haiyan
Ph.D., Beijing University, China

Borden

Yang, Chi
Ph.D., Beijing University, China

Omary

Zhou, Xin
Ph.D., Jilin University, China

Borden

TEACHING FELLOWS

No Teaching Fellow appointments in 2006

VISITING PROFESSOR

Rabaa, Hassan
Tofail University, Morocco

Omary

ADJUNCTS, POSTDOCTORAL RESEARCHERS, TEACHING FELLOWS, AND VISITING PROFESSORS - 2007

ADJUNCTS

Nikolaus Fischer
Ph.D., University of Tübingen, Germany

David Hrovat
Ph.D., Columbia University

Robert Desiderato
Ph.D., Rice University

Robert Shelton
Ph.D., University of Florida

Xiaoping Wang
Ph.D., Texas A&M University

POSTDOCTORAL RESEARCHERS

Working for:

Datta, Ayan
Nehru Center for Advanced Science Research

Borden

DeYonker, Nathan
University of Georgia

Wilson

Gao, Yide
Ph.D. University of Science and Technology of China, China

P. Marshall

Jasper, Stephen
Ph.D., Indiana University

Thomas

El-Bjeirami, Ossauma
Ph.D., University of North Texas

Omary

Shelton, Robert
Ph.D., University of Florida

Borden

Srinivas, Gantasala
Ph.D., University of Hyderabad, India

Schwartz

Wei, Haiyan
Ph.D., Beijing University, China

Borden

Yang, Chi
Ph.D., Beijing University, China

Omary

Zhou, Xin
Ph.D., Jilin University, China

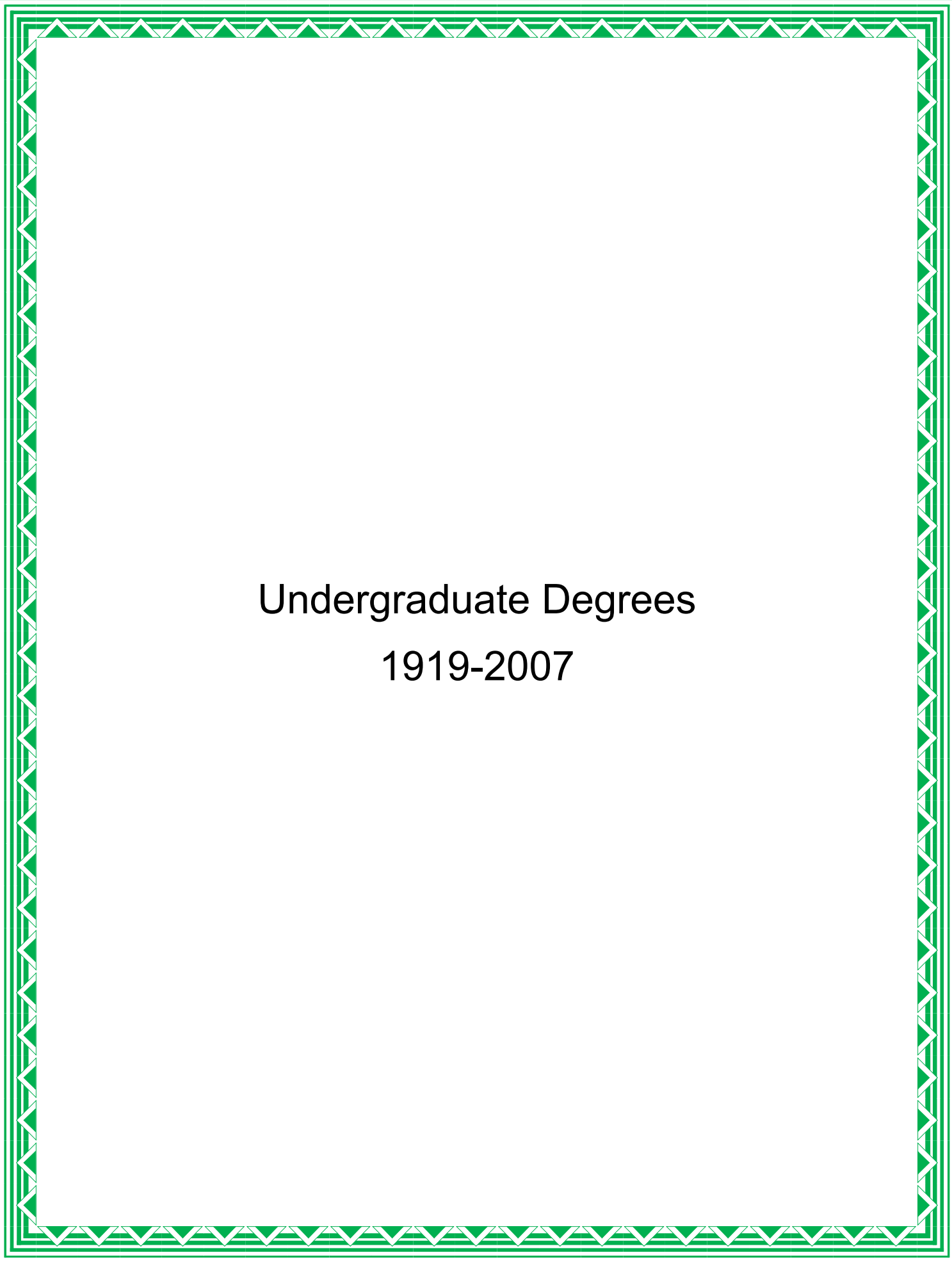
Borden

TEACHING FELLOWS

No Teaching Fellow appointments in 2007

VISITING PROFESSOR

No Visiting Professor appointments in 2007



**Undergraduate Degrees
1919-2007**

UNDERGRADUATE DEGREES AWARDED
1919-2007

1919	No Majors		1928	Richards, Osborne	B.S.
				Richardson, Thomas F.	B.S.
1920	Rogers, V.B.	B.S.		Sigler, Emory A.	B.S.
				Sowell, Janie	B.S.
1921	Franklin, Leslie U.	B.S.		Stewart, Clarence H.	B.S.
	Brooks, James R.	B.S.		Vestal, Felix W.	B.S.
	Hays, Harry T.	B.S.		Vestal, Richard S.	B.S.
	Patrick, Ralph E.	B.S.		Womack, David	B.S.
	Roady, John M.	B.S.			
			1929	Carrico, Kit, J. L.	B.S.
1922	Brenholtz, Harold	B.S.		Crawford, William L.	B.S.
	Davidson, J. Howard	B.S.		Davenport, Carlos L.	B.S.
	Hicks, Joseph	B.S.		Harrell, Riley	B.S.
	Manire, L. Z.	B.S.		Hefner, Hubert	B.S.
				Henigan, Eva	B.S.
1924	Cathey, Thomas B.	B.S.		Lisle, Floyd M.	B.S.
	Cross, Ernest E.	B.S.		McDaniel, Harold	B.S.
	Floyd, Bertha	B.S.		Mehaffey, Margaret	B.S.
	McAllister, Esther J.	B.S.		Waggoner, Beth	B.S.
				Witt, Clara	B.S.
1925	Floyd, Willis	B.S.			
	Griffith, Dudley W.	B.S.	1930	Baker, Ruth	B.S.
				Cooke, George H.	B.S.
1926	Bird, Roe	B.S.		Morrow, Walter O.	B.S.
	Camp, Leon	B.S.		Pierce, William M.	B.S.
	Donnelly, Alton	B.S.		Roberts, Ira C.	B.S.
	Johnston, Clarence B.	B.S.		Spitzer, Herbert	B.S.
	Key, Olan	B.S.		Walker, Kenneth B.	B.S.
1927	Connell, Cecil H.	B.S.	1931	Bass, Homer D.	B.S.
	Curbo, Addie Mae	B.S.		Bird, Douglas	B.S.
	Davis, Jesse	B.S.		Elbert, James	B.S.
	Guy, Myrtle	B.S.		Harmon, Eloise	B.S.
	Hill, Wendell	B.S.		Honeycutt, Lois	B.S.
	Jones, Oliver	B.S.		Hunn, Olen	B.S.
	Lewis, Genelia E.	B.S.		Jackson, Catherine	B.S.
	Maxcy, L. K.	B.S.		Legett, Jesse H. Jr.	B.S.
	McCarty, Robert H.	B.S.		Mayes, Merle	B.S.
	Moss, H. H.	B.S.		Morriss, John T.	B.S.
	Ratliff, John	B.S.		Shown, Joe	B.S.
	Sears, Wayne	B.S.			
	Taylor, L. F.	B.S.	1932	Bergin, David M.	B.S.
	Trimble, T. M.	B.S.		Cockerell, Leone	B.S.
	Williams, Henry	B.S.		D'Spain, Lalla	B.S.
				Green, Cone	B.S.
1928	Airhart, James B.	B.S.		Hall, Herman R.	B.S.
	Bentley, Elvie W.	B.S.		Phillips, Anne	B.S.
	Brock, William H.	B.S.		Scott, Ben A.	B.S.
	Cernosek, Stanley F.	B.S.		Shown, Mary	B.S.
	Frasher, Richard	B.S.		Small, Travis H.	B.S.
	Fulton, Dorothy	B.S.		Spitzer, Walter G.	B.S.
	Kennedy, Newton W.	B.S.		Strode, Richard	B.S.
	Mecham, George P.	B.S.		Vance, Cullen B.	B.S.
	Morris, William J.	B.S.			
	Neely, Joseph	B.S.			
	Patrick, Paul V.	B.S.			

1933	Allen, Mary W.	B.S.	1936	Black, Margaret I.	B.S.
	Bentley, Jack C.	B.S.		Box, William J.	B.S.
	Butts, Jennie W.	B.S.		Glenn, Richard A.	B.S.
	Butts, Newell D.	B.S.		Hill, Alice	B.S.
	Calhoun, Gordon J.	B.S.		Holland, Bryant R.	B.S.
	Dwiggins, John B.	B.S.		Johns, Merrell J.	B.S.
	Ellison, Travis	B.S.		Lambert, Frank E.	B.S.
	Forman, Gene	B.S.		Marek, Frank E.	B.S.
	Hiett, Thomas A.	B.S.		McCarty, Maurine	B.S.
	Hollingsworth, A. K.	B.S.		Stubblefield, Howard L.	B.S.
	Hood, Weldon	B.S.		Woodruff, James C.	B.S.
	Meek, Thomas W.	B.S.		Woods, Alethea	B.S.
	Miller, Walter S.	B.S.	1937	Dean, Ralph R.	B.S.
	Moore, Carver Y.	B.S.		Gary, Felice W.	B.S.
	Pollan, John	B.S.		Goodman, Eugenia P.	B.S.
	Simpson, Jack	B.S.		Gore, James T.	B.S.
	Swenson, Andrew B.	B.S.		Hamby, R. B.	B.S.
	Weakley, Katherine	B.S.		Hendricks, Corinne	B.S.
	Wilson, James B.	B.S.		Hodges, Edward H.	B.S.
1934	Allen, Bruce B.	B.S.		Holloway, John B. M.	B.S.
	Anderson, Bruce	B.S.		Jones, James H.	B.S.
	Craddock, Wallis	B.S.		Kinchen, James C.	B.S.
	Duren, Sims W.	B.S.		Latham, James L.	B.S.
	Fambrough, Clive	B.S.		Long, Loren M.	B.S.
	Fowler, Charles G.	B.S.		McMath, Sydney S.	B.S.
	Lingo, Shirley P.	B.S.		Peters, Ruth	B.S.
	Seyler, Marie	B.S.		Risinger, John R.	B.S.
	Turner, Berneice	B.S.		Shepherd, George B.	B.S.
	Wynn, Floyd	B.S.		Speer, Robert J.	B.S.
1935	Allen, John W.	B.S.		Willard, John G.	B.S.
	Arnold, Wm. O.	B.S.	1938	Bailey, Duward W.	B.S.
	Barnes, Benjamin F.	B.S.		Bond, Thomas J.	B.S.
	Blake, Elmer F.	B.S.		Bonner, Ruth	B.S.
	Dixon, James W.	B.S.		Brooks, Benjy	B.S.
	Easeley, Gladys	B.S.		Burns, Claude (Pete)	B.S.
	Faggard, John M.	B.S.		Cox, Ross	B.S.
	Garrison, F. V.	B.S.		Dumas, Lawrence A.	B.S.
	Klingman, Charles L.	B.S.		Elam, Kermit	B.S.
	Lipscomb, Joe	B.S.		Maserang, Clarence	B.S.
	Maurice, Katherine	B.S.		McKinney, David	B.S.
	Miller, William	B.S.		O'Neal, John D.	B.S.
	Mitchell, O. R.	B.S.		Roberts, Troy D.	B.S.
	Morrow, Dallas	B.S.		Spikes, Sam	B.S.
	Nash, Claude	B.S.		Stallcup, Vance W.	B.S.
	Neeley, Thos.	B.S.		Thorp, Grady	B.S.
	Proffer, Robert L.	B.S.		Thompson, Haskell	B.S.
	Rogers, Burl	B.S.		Veteto, Ray	B.S.
	Saunders, Charles H.	B.S.		Welch, Virgil	B.S.
	Schnably, John R.	B.S.	1939	Benson, Billie	B.S.
	Smith, John M.	B.S.		Billingsley, Alton	B.S.
	Spurlock, James L.	B.S.		Burns, Daniel	B.S.
	Travis, Mildred	B.S.		Davis, John D.	B.S.
	Wilson, Byron	B.S.		Dempwolf, Edward N.	B.S.
	Wilson, Robert C.	B.S.		Dyer, Mary H.	B.S.
	Wilson, Gilbert	B.S.			

1939	Escue, Richard B.	B.S.	1942	Huey, Griffin	B.S.
	Gilmore, Jack T.	B.S.		Martin, James R.	B.S.
	Jordan, Hugh D.	B.S.		Mobley, Edgar N.	B.S.
	Perrin, Julian V.	B.S.		Moore, Robert L.	B.S.
	Robinson, Roy R.	B.S.		Neely, Elbert E., Jr.	B.S.
	Shields, James M.	B.S.		Rudnick, Leon R.	B.S.
	Spalding, Dexter	B.S.		Stallings, James C.	B.S.
	Tittle, Charles W.	B.S.		Sutton, Cecil C.	B.S.
	Truitt, Jack	B.S.		Townsend, Bill B.	B.S.
				Vance, Paul J.	B.S.
				Vaughan, George	B.S.
1940	Berry, Quinton L.	B.S.	1943	Adams, Billy K.	B.S.
	Black, Harry	B.S.		Bell, Robert E.	B.S.
	Caddell, Ernest L.	B.S.		Brown, Jack	B.S.
	Coldwell, Ruth L.	B.S.		Bruner, Dorothy M.	B.S.
	Eads, Ewin	B.S.		Cox, Margaret C.	B.S.
	Gaskin, John	B.S.		Craig, Robert N.	B.S.
	Johnston, Max	B.S.		Drew, Charles M.	B.S.
	Jones, Darrell M.	B.S.		Hooper, Charles H.	B.S.
	Kearby, Raymond H.	B.S.		Hubbard, Joseph W.	B.S.
	Leake, Edwin	B.S.		Kemplin, John C.	B.S.
	Majors, Millard	B.S.		Mahon, Lamar	B.S.
	Merrick, Estes	B.S.		Mark, R. Dewey	B.S.
	Scogin, Alice R.	B.S.		Massey, Melva D.	B.S.
	Scogin, Everett	B.S.		Newton, Clay H.	B.S.
	Shown, John	B.S.		Pickard, Porter L. Jr.	B.S.
	Strawn, Haskell	B.S.		Prindle, Hershel B.	B.S.
	Williams, C. Paul	B.S.		Quattlebaum, James E.	B.S.
	Yeager, Davis L.	B.S.		Skinner, Gordon	B.S.
	Younger, Jim N.	B.S.		Stiefel, Harry Z.	B.S.
1941	Anderson, Agrippa C.	B.S.		Watkins, Edward M.	B.S.
	Austin, Mary C.	B.S.		Watkins, Thomas E.	B.S.
	Barr, Allen W.	B.S.		Welch, Elmer T.	B.S.
	Berry, Lewis M.	B.S.		Wilson, Gayle	B.S.
	Best, Mary A.	B.S.	1944	Bonner, Bernice B.	B.S.
	Cook, Vernice	B.S.		Dickinson, Ermintrude	B.S.
	Harshbarger, Marjorie	B.S.		Estes, Ben P.	B.S.
	Hutcheson, George O.	B.S.		Kemper, Thomas W.	B.S.
	Jones, James H.	B.S.		McBride, Mozelle	B.S.
	Jones, William D.	B.S.		Self, Iva Lee	B.S.
	Lebrecht, Royden L.	B.S.		Spencer, Frank C., Jr.	B.S.
	McClendon, Harry M.	B.S.		Taylor, Cleora J.	B.S.
	Mitchell, J. K.	B.S.		Terrill, Bruce S.	B.S.
	Morriss, James H.	B.S.		Walker, Russell C.	B.S.
	Oliver, Bob M.	B.S.	1945	Breedlove, Melba	B.S.
	Powell, Jeston H.	B.S.		Goode, William	B.S.
	Reed, Gratton F.	B.S.		Holloway, Max	B.S.
	Taylor, Louis E.	B.S.		Marcia, John	B.S.
	Taylor, Thomas W.	B.S.		Moore, Jack	B.S.
	Truitt, Benjamin P.	B.S.		Richardson, Eugene	B.S.
	Walker, William C.	B.S.		Saunders, Doris	B.S.
1942	Camp, Frank A.	B.S.		Thomas, J. W.	B.S.
	Caruthers, Carl L.	B.S.			
	Coskey, Anita A.	B.S.			
	Eads, Ewin A.	B.S.			
	Hudspeth, Ray	B.S.			

1946	Ashmore, James	B.S.	1949	Shell, Allan	B.S.
	Baker, Andy	B.S.		Solarek, Joe	B.S.
	Cox, John	B.S.		Trent, Robert	B.S.
	Dunkelberg, Walter	B.S.		Trohan, Weldon	B.S.
	Jeans, Jack	B.S.		Wiist, Herbert	B.S.
	Lamm, Lois A.	B.S.	1950	Bassinger, Bernarr R.	B.S.
	Machel, Albert	B.S.		Breedlove, James E.	B.S.
	McPherson, James	B.S.		Coyle, Thomas E.	B.S.
	Scarborough, Martha	B.S.		Fairchild, Leo A.	B.S.
	Self, Val	B.S.		Geisert, Raymond	B.S.
	Spencer, Jack	B.S.		Hilz, Harold	B.S.
1947	Baxter, William	B.S.		Hogan, Bernard	B.S.
	Compton, William D.	B.S.		Holst, Harlan	B.S.
	Frazier, Wallace	B.S.		LeBel, Barbara L.	B.S.
	Gattis, Robert	B.S.		Messick, Bobby	B.S.
	Gerber, Martin	B.S.		Nelson, Mary L.	B.S.
	Harrell, William	B.S.		Scott, Robert O.	B.S.
	Harris, Carolyn R.	B.S.		Self, Billy	B.S.
	Harris, Jesse M.	B.S.		Shahan, Howard W.	B.S.
	Hershfield, Charles	B.S.		Talbott, Ted D.	B.S.
	Hicks, Howard	B.S.		Vaughan, Clota G.	B.S.
	Jones, James H.	B.S.		Vaughan, Herman W.	B.S.
	Knox, John	B.S.		Wigley, Herbert N.	B.S.
	Looney, Jesse	B.S.		White, Glen B.	B.S.
	Tramells, Catherine	B.S.		Whitaker, Leroy	B.S.
	Welch, Dorothy	B.S.	1951	Buttram, Jack	B.S.
1948	Fimerough, Robert	B.S.		Carrol, Dan	B.S.
	France, Catherine T.	B.S.		Dick, Clarence R.	B.S.
	Gibson, Robert R.	B.S.		Dodgen, Durward F.	B.S.
	Herd, Ray	B.S.		Farley, Leroy	B.S.
	McDonald, James	B.S.		Hamilton, Gloria L.	B.S.
	McGee, Guy	B.S.		Henderson, Sidney K.	B.S.
	Middleton, William	B.S.		Hoffman, James	B.S.
	Packer, William	B.S.		Peterson, Paul	B.S.
	Sadler, Jack	B.S.		Platas, Oscar	B.S.
	Skillman, Harry Jr.	B.S.	1952	Gloner, Jack	B.S.
	Speer, Lon III	B.S.		Hilz, James	B.S.
	Toothaker, Wallis	B.S.		Howell, Wayne	B.S.
	Wheeler, Herber	B.S.		Mahan, Frank	B.S.
1949	Bearden, Robert	B.S.		Muecke, Norman	B.S.
	Cammack, Ruth	B.S.		Schimelpfenig, C.W.	B.S.
	Cirilo, Amelia	B.S.		Sonntag, Roy	B.S.
	Heaton, Robert	B.S.		West, Norman E.	B.S.
	Holman, Willis	B.S.		Yarborough, Ken	B.S.
	Jeanes, Perry	B.S.	1953	Cooper, James E.	B.S.
	Jones, Sam C.	B.S.		Hayes, Thomas A.	B.S.
	Kilcrease, Edward	B.S.		Hyde, Harold W.	B.S.
	Layne, Douglas K.	B.S.		Jackson, Winnifred	B.S.
	Lindsey, Dan	B.S.		Jay, Bruce E.	B.S.
	MacBarton, Johnny	B.S.		O'Dell, Stewart	B.S.
	Moye, Ollie	B.S.		Platas, Hugo S.	B.S.
	Scribner, Charles	B.S.			

1954	Armistead, John	B.S.	1960	Chanslor, Robert J.	B.S.
	Bielefeld, Ewald	B.S.		Dyke, Maurice A.	B.S.
	Chalmers, Bill	B.S.		Reeves, Linda R.	B.S.
	McCrary, Richard E.	B.S.		Ward, Howard G.	B.S.
	Mullins, Charles B.	B.S.		Ziveig, Judith E.	B.S.
	Peterson, Harold W.	B.S.			
	Roberson, Charles	B.S.	1961	Carl, William P.	B.S.
	Schimelpfenig, Louise	B.S.		Hayes, David W.	B.S.
1955	Banta, Marion C.	B.S.		Maurer, Larry E.	B.S.
	Brady, William	B.S.		Pennington, David E.	B.S.
	Brown, Robert Wade	B.S.		Smith, James P.	B.S.
	Cavitt, Stanley B.	B.S.	1962	Aycock, Robert F.	B.S.
	Compton, Ross	B.S.		Barrett Hazel J.	B.S.
	Cureton, Stanley	B.S.		Brammer, Jerry B.	B.S.
	Kopp, Don	B.S.		Burleson, Jimmie	B.S.
	Maglaughlin, Edward	B.S.		Calbreath, Donald F.	B.S.
	Moore, Herman T.	B.S.		Creagh-Dexter, Linda T.	B.S.
	Peters, Jo Ann	B.S.		Schiffert, Phillip W.	B.S.
	Wisley, Preston F.	B.S.		Westmoreland, Thomas	B.S.
1956	Bryant, Franklin D.	B.S.	1963	Adams, George M.	B.S.
	Burson, Kay R.	B.S.		Dickie, Kent D.	B.S.
	Matthews, Don M.	B.S.		Ellis, Ernest W.	B.S.
	Peterson, Dolores K.	B.S.		Henderson, William B.	B.S.
	Shoulders, Ben	B.S.		Liddell, Harold G.	B.S.
	Smith, Larry D.	B.S.		Ludeman, Charles W.	B.S.
	Stewart, Dorothy F.	B.S.		McCarty, Jimmie D.	B.S.
	Wimberley, Jerry W.	B.S.		Thigpen, Rodger D.	B.S.
	Woods, Roy J.	B.S.		Waller, James F.	B.S.
1957	Armstrong, Andrew	B.S.	1964	Archer, Michael L.	B.S.
	Carrico, C. James	B.S.		Hatch, Raymond L.	B.S.
	Blacknall, David M.	B.S.		Hurst, Oralee	B.S.
	Huffman, Devereaux	B.S.		Kinstley, Warren O.	B.S.
	Porter, Vernon R.	B.S.		Vaughn, Walter L.	B.S.
	Saldarriaga, Alvaro	B.S.		Witkowski, Joseph T.	B.S.
1958	Carter, Johnny S.	B.S.	1965	Brewer, Terry L.	B.S.
	Coleman, Louis R.	B.S.		Downing, John W.	B.S.
	Crook, Carl C.	B.S.		Peyton, Gary R.	B.S.
	Harris, Martha B.	B.S.	1966	Clifton, George G.	B.S.
	Hinckley, Conrad C.	B.S.		Justice, David D.	B.S.
	Meyer, Donald	B.S.		Stockton, James D.	B.S.
	Meyer, Edgar F. H.	B.S.		Truitt, Sharon G.	B.S.
	Ridgway, Helen J.	B.S.		Turner, George S.	B.S.
	Tidwell, Troy H.	B.S.		Waters, Samuel W.	B.A.
1959	Barnhart, Richard L.	B.S.			
	Brown, Jerry L.	B.S.			
	Gambill, Edith (Barnhart)	B.S.			
	Lamb, James F.	B.S.			
	Lucy, Mac F.	B.S.			
	White, Marvin A.	B.S.			
	Yantis, Robert Lee	B.S.			

1967	Drury, Michael H.	B.S.	1972	Neitzel, Conrad J.	B.A.
	Hieble, J. Paul	B.A.		Spradlin, David E.	B.A.
	Hight, Ralph D.	B.S.		Wai, Kwok Cheung	B.A.
	Nathan, John F.	B.S.	1973	Anderson, Kirk A.	B.A.
	Oden, Dorothy L.	B.S.		Bartlett, Michael W.	B.A.
	Sanders, Edward H.	B.S.		Bliss, Leonard J.	B.A.
	Schultz, F. Michael	B.S.		Johnson, Paul F.	B.S.
	Shelton, Harold D.	B.S.		Lovell, Gregory W.	B.S.
	Wilson, Robert K.	B.S.		McDaniel, Cato R.	B.A.
1968	Bray, Larry E.	B.S.		McGraw, John P.	B.A.
	Collins, Samuel H.	B.A.		Petty, Randall H.	B.S.
	Harold, Shelton D.	B.S.		Porter, David W.	B.A.
	Hammon, Diana M.	B.S.		Rogers, Sharon A.	B.S.
	Jones, James R.	B.S.		Rookstool, James L.	B.S.
	Luce, Larry G.	B.A.		Seiwell, Ruth R.	B.A.
	Olson, Jerry W.	B.S.		St. John, Donald W.	B.A.
	Smith, Larry	B.A.		Stephenson, William H.	B.S.
	Sparkman, David O	B.A.		Young, Clint D.	B.S.
1969	Anderson, Thomas G.	B.S.	1974	Aboul-Ela, Shareen	B.A.
	Biediger, Claude D.	B.A.		Barton, Rodney A.	B.A.
	Clark, William S.	B.S.		Duncan, Don P.	B.S.
	Escue, Richard P.	B.S.		Franklin, Ben C.	B.S.
	Johnson, Jerry K.	B.S.		Gowen, Bonnie L.	B.A.
	Phillips, Gerald W.	B.S.		Jennings, Gay	B.S.
	Reynolds, Reese M.	B.S.		Leyva, Fernando	B.S.
1970	Armstrong, Marc A.	B.S.		Lin, Shwu-Ching H.	B.S.
	Carey, Elbert F., Jr.	B.A.		McCarty, Vickie H.	B.S.
	Davis, Kenneth E.	B.S.		McKerley, Billy J.	B.A.
	Folsom, Thomas K.	B.S.		Mo, Yeh-Chun	B.S.
	Low, Charles L.	B.S.		Rosser, Jon L.	B.A.
	McLean, Hulon E.	B.A.		Schenck, W. Larry, Jr.	B.A.
	Myers, Jerry K.	B.A.		Tidwell, Edgar R.	B.S.
	Rains, Randall C.	B.S.		Walter, Steven R.	B.S.
	Rawley, Richard	B.S.		Weeks, William C. III	B.S.
	Riehn, Gloria M.	B.A.	1975	Britton, Michael W.	B.A.
	Smith, Ann H.	B.A.		Kattner, Richard M.	B.S.
	Sullivan, Cynthia B.	B.A.		Ross, Genell S.	B.A.
	Wheeler, Van A.	B.A.		Smith, Darwin D., Jr.	B.S.
	Winkle, William V.	B.A.		Whorton, Julie	B.A.
	Wright, Lee F.	B.S.		Willard, Mary	B.A.
1971	Duckworth, David P.	B.A.	1976	Collins, Thomas E.	B.S.
	Esfahani Mohammad H.	B.A.		Colville, Martha J.	B.S.
	Kuykendall, William C.	B.A.		Dandois, Marc R.	B.A.
	Ip, Yuk Lun	B.S.		Horner, Dorothy	B.A.
	Neu, Michael H.	B.A.		Moffett, Stephen G.	B.A.
	Rietschel, Susan K.	B.A.		Navin, Patrick J.	B.S.
	Smith, Ann H.	B.A.		Pao, Julie	B.A.
	Smith, Boyd H.	B.S.		Phillips, Tony J.	B.S.
	Thompson, Robert P.	B.A.		Schoel Jeffrey G.	B.S.
1972	Barns, Joseph, E.	B.A.		Snipes, Ann M.	B.A.
	Bliss, Leonard J.	B.A.		Strunk, Herbert T.	B.A.
	Hines, Mary K.	B.S.		Weatherall, Ben M., III	B.S.

1977	Blackwell, Robert G.	B.S.	1981	Olson, David A.	B.S.
	Davenport, DeWitt S.	B.S.		Pace, Karen C.	B.S.
	Eakin, Ronald J.	B.A.		Price, Sherry T.	B.A.
	Emami, Iraj	B.A.		Schroeder, Lorraine K.	B.S.
	Hardin, Ernest D.	B.S.		Shabbot, Mary S.	B.S.
	Hill, Marcus H.	B.S.		Slaton, Sarah A.	B.S.
	Jasheway, Daniel W.	B.S.		Vita, Eric E.	B.S.
	Miller, Chad M.	B.S.	1982	Cheek, Roger W.	B.A.
	Miller, Mark S.	B.S.		Cristescu, Ileana G.	B.S.
	Mulcahy, Timothy L.	B.A.		Holman, Russell W., Jr.	B.S.
	Reese, Jon A.	B.S.		McDaniel, Susan J.	B.S.
	Sears, George E.	B.A.		Simon, Gary L.	B.S.
	Spies, Frederick	B.A.		Taylor, Joe M.	B.A.
	Stern, Richard L.	B.S.	1983	Albanesi, Todd	B.S.
	Tomes, Peggy A.	B.S.		Bordbari, Masoumeh	B.A.
	Turner, Terry L.	B.S.		Bunday, Scott D.	B.A.
	Williams, Jimmy L.	B.A.		Canales, Victor M. T.	B.A.
	Wilson, Charlie W. III	B.S.		Day, John A.	B.S.
1978	Dewberry, David L.	B.A.		Fathi, Fereidon K.-D.	B.A.
	Hackney, Wesley W.	B.A.		Gill, Russell S.	B.S.
	Johnson, Alan A.	B.S.		Halverson, Dennis E.	B.S.
	Lutkenhaus, Joan S.	B.S.		Huffaker, Holly	B.S.
	Mann, Wallace H.	B.A.		Isaac, Gerald W., Jr.	B.A.
	Mork, Charles O.	B.A.		Kennedy, Wendy S.	B.S.
	Shaw, Cameron	B.S.		Laroe, William D.	B.A.
1979	Bassinger, Louis A.	B.S.		Schafer, Mark A.	B.A.
	Garcia, Isidro Jr.	B.S.	1984	Ballivian, Maria C.	B.S.
	Huntley, Scott P.	B.S.		Beard, Barbara	B.A.
	Judge, Ricky L.	B.S.		Day, John A.	B.S.
	Leung, PakLok	B.A.		Gilliland, Eldon	B.S.
	Mapel, David E.	B.S.		Halvorson, Peter	B.A.
	Maleknia, Simin D.	B.S.		Magee, Willie J.	B.A.
	Pope, Keith R.I	B.S.		Meek, Dennis	B.S.
	Sonenthal, Avraham	B.A.		Nguyen, Phuoc J D.	B.S.
	Young, George S., II	B.S.	1985	Dad, Mohammed M.	B.S.
1980	Abedi, Nayer	B.S.		Dalton, Edward F.	B.S.
	Allen, Johnnie B., Jr.	B.S.		Erikson, Erika S.	B.S.
	Alter, Don E.	B.S.		Fosmire, Susan P.	B.A.
	Brown, Katherine M.	B.S.		Frost, Sharon A.	B.S.
	Harbour, Keith D.	B.A.		Gaines, Delbert R.	B.A.
	Hawley, Lendell M.	B.S.		Morris, Jeanette K.	B.S.
	McManus, Timothy R.	B.S.		Taylor, Tommy W.	B.S.
	Reagen, David W.	B.A.		Williams, Lynn G.	B.A.
	Thomas, Joe W.	B.A.	1986	Bobbitt, Kevin L.	B.S.
	Zappone, Lawrence J.	B.S.		Boerner, Brian K.	B.S.
1981	Erikson, Michael J.	B.S.		Dobson, Charles B.	B.S.
	Goss, Michael L.	B.S.		Peters, Cheryl L.	B.A.
	Harris, Honorwill Y.	B.A.		Vipowd, Jeff J.	B.A.
	Hoening, Stephen M.	B.A.	1987	Bhatt, Nilaksha	B.A.
	Honarvar Sedjghe	B.S.		Cowles, Lila M. W.	B.S.
	Jammer, David C.	B.A.		Duncan, Julie A.	B.S.
	Lengyel, Joseph L.	B.A.			
	Mohammadian, G.	B.A.			

1987	Ghussain, Mohammad A Maeckel, Kelly P. McClellan, Edward L. Payne, Steven K. Ray, Rebecca L. Smith, Todd R.	B.A. B.S. B.S. B.A. B.S. B.A.	1992	Longacre, Steven E. Paraskevas, John Schleinat, Larry Zhang, Li	B.A. B.A. B.A. B.S.
1988	Chambers, Lisa S. Edwards, Darrell C. J. Gregg, Thomas S. Hashemi, Seyd F. Johnson, Karen L. Welton, Theresa E.	B.A. B.A. B.S. B.A. B.S. B.A.	1993	Bates, Heather C. Braswell, Lance T. Chang, Carol C. Chien, Hsu-Yueh Draper, Jennifer Folk, Melissa C. Francis, Elizabeth L. Hashemi, Emad A. Hicks, Jennifer Powell, Joyce R. Schultze, Shelia Wilson, Thomas O.	B.S. B.S. B.A. B.S. B.S. B.A. B.S. B.A. B.A. B.S. B.S. B.S.
1989	Baker, Dana M. Hamid, Garshasbi Gregg, Thomas S. Havner, Grey D. Lau, Kwan Liu, Young Partin, John A. Welton, Theresa E. Zhang, Yi	B.S. B.S. B.S. B.S. B.A. B.A. B.A. B.A. B.S.	1994	Bacchus, Amy C. Hancock, Kim M. Li, Lily Yu McClintick, Stephen D. Morley, Daniel Rezaie, Homeira Robertson, Adrienne K. Sosa, Edward D.	B.A. B.S. B.A. B.A. B.S. B.A. B.S. B.S.
1990	Anderson, Rhonda L. Baker, Vicki L. A. Brungardt, Charles H., Jr. Cate, Charles D. Cordonnier, Michelle E. Fairleigh, Thomas Krause, Robert W., Jr. Nielsen, Eric C. Wilkins, Denise C.	B.A. B.A. B.A. B.S. B.S. B.S. B.A. B.S. B.S.	1995	Bilyeu, Bryan W. Fletcher, Kristin Lalani, Khalil Maswood, Syed McGuffey, Angela R. Miller, Brian J. Pirro, Julie T. Rocha, John-David	B.S. B.S. B.A. B.A. B.A. B.S. B.S. B.S.
1991	Barriga, Paul Jr. Blackman, Donovan W. Bonner, Fred A., II Corley, Michael A. Hughes, Robin L. Ibrahim, Norma O'Connor, Peter Peterson, Lars Smith, Janna M. G. Tucker, William D. Williamson, David A. Yusoff, Rozitah B.	B.S. B.S. B.A. B.A. B.S. B.S. B.S. B.S. B.A. B.S. B.S. B.A.	1996	Adams, Michael J. Al-Sinan, Husain H. Conger, Matthew G. Cost, Andrew B. Diehnelt, Christopher Forkner, Hollie L. Fullington, Catherine Goodman, Kyle Mulhisen, Anneliese Olive, Michael Parker, Thomas M. Piehnilt, Christopher Senter, Robert A. Wagner, Nichole Washburn, Matthew Welch, Brian	B.A. B.A. B.A. B.A. B.S. B.S. B.A. B.S. B.A. B.S. B.S. B.S. B.S. B.S. B.A.
1992	Carver, Michael A., Jr. Cloud, Claybion III Cloyd, Michelle Cowles, Brent W. Darmodjo, Hardjanti Flores, Raymond L. Francis, Perry E. Germann, Chad B. Harpavat, Vijay Khadiv-Parsi, Sima	B.S. B.A. B.A. B.A. B.S. B.A. B.S. B.A. B.A. B.A. B.A.	1997	Adams, Patton M. El-Lessy, Hussein N. Hawkins, Samantha A.	B.A. B.A. B.A.

1997	McClintick, Stephen D. Tibbels, Jason K. Wells, Leah C.	B.A. B.A. B.A.	2003	Lewis, Diane Safdarian, Nilufar Seaton, Madelene Siler, Rebecca Styrvoky, Ann Wilson, Bonnie	B.S. B.A. B.S. B.A. B.A. B.S.
1998	Bozenko, Joseph S. Childress, Sabrina D. Fenley, James M. Hernandez, Carmen E. Hunter, David H. Krontz, Sarah A. Parker, Thomas M. Parsons, Kevin D. Pavlica, Dan Plumlee, Shannon Smallwood, Jay C. Zuniga, Francisco A.	B.S. B.S. B.A. B.S. B.A. B.A. B.S. B.A. B.A. B.A. B.S. B.S.	2004	Bell, Ray Browning, Charles Jr. Cox, Jenny Flores, Sarah Forsbach, Christina Gonzalez, Jesus Johnson, Craig Korie, Johnson Lainer, Kristin Mees, Heather Mintz, Benjamin Prascher, Brian Tchao, Ni An Whitaker, Jennifer Woo, Jee Hyun	B.A. B.S. B.S. B.S. B.S. B.A. B.A. B.A. B.A. B.S. B.S. B.S. B.A. B.S. B.S. B.S.
1999	Abshire, Dustin Brister, Brian Culbertson, Amanda J. DeFina, Karina Hooks, Jason D. Horiuchi, Satoru Hunter, David Kuehe, Robertson Nolidin, Paul Reed, Lori J. Roy, Lindsay Sharp, Tina Zuniga, Francisco	B.S. B.S. B.S. B.S. B.A. B.S. B.A. B.A. B.S. B.A. B.S. B.S. B.S.	2005	Chiarchiaro, Jared Garcia, Margarita Koder, Christopher Lidet, Negash Peck-Pearce, Chance C. Ray, Jessica Vargas, Norma Washington, Erika Williams, Kiara Wilson, Brian	B.A. B.A. B.A. B.A. B.S. B.A. B.A. B.A. B.A. B.S.
2000	Boswell, David Jr. Petros, Robby Toro, Angel Jr. Van, Tiffany	B.A. B.S. B.A. B.A.	2006	Ando, Makoto Baillio, Sarah Bayless, Anna Coward, Christopher Craney, Bethany Dewberry, Christopher Eldabaja, Maha Hatcher, John Michael Hooten, Chad Lobo, Stephanie Lucente-Schultz Rebecca Oguro, Kenichi Ors, Ahmet Payne, Stacey Randle, Jr., Kennyth C. Taylor, Lisa Ueno, Kyohei	B.A. B.A. B.A. B.A. B.A. B.S. B.S. B.S. B.A. B.A. B.A. B.S. B.S. B.S. B.S. B.S. B.S. B.S.
2001	Briggle, Justin DeBase, Eburn Keith, Jason Paul, Betsy Blazek, Carrie Mack, Avery Scalf, Derric Shepherd, Heather Rossin, Eric	B.S. B.S. B.S. B.A. B.A. B.A. B.S. B.S. B.S. B.A.	2007	Brennen, Jillian Elizabeth DeLeon, Vallerie Destefani, Kimberly DeYoung, Susan Hameed, Huma Kerr, Katherine	B.S. B.S. B.S. B.S. B.A. B.S.
2002	Dolghih, Elena Hanks, Laura Oetgen, Stacy Reades, Rosalyn Shelton, Adriana Stovall, Dawn Michele Wasserman, Kari Wolffarth, Mark	B.S. B.A. B.S. B.S. B.A. B.S. B.S. B.A.			
2003	Brawner, Jesse Hines, Kathy Kazemi, Parimah	B.A. B.A. B.A.			

2007	Kwon, Hea-Won	B.A.	2007	Paul, Priya	B.A.
	Lawrence, Chloe Armande	B.A.		Pham, Kimberlynn Phan	B.A.
	Mae, Hiroki	B.S.		Sidorenkova, Ekaterina	B.A.
	Martine, Beth Ann	B.S.		Wairegi, Angeline	B.S.
	Martinez, Heriberto	B.S.		Whitten, Johanna	B.S.
	Martinez, Jennifer	B.A.			



Masters Degrees
1941-2007

**MASTERS DEGREES AWARDED
1941-2007**

1941	Berry, Quinton L. Black, Harry W. Davis, Stanley F, Jr. Hanna, Alvis N. Kearby, Howard R. Mitchell, O. R. Scogin, Everett R. Selvidge, Robert F. Shown, John H. Taylor, George T. Tomlinson, Julian B. Williams, Cyrus P.	1950	Herd, Ray Jeanes, Dewey P. Worthen, John E., Jr.
1942	Eads, Ewin A. Oliver, Robert M. Truitt, Benjamin P.	1951	Brogdon, Bill Messick, Bobby Pitts, James Shahan, Howard Zachry, David
1943	Harshbarger, Marjorie Stallings, James C.	1952	Buttram, Jack Griffin, Marguerite Holst, Harlan Hale, Robert Trammell, Ruth Whitaker, Leroy Wood, Frank
1944	Pickard, Porter L., Jr. Rohrer, Vern	1953	Bullock, Newman P. Dick, Clarence R. Hoffman, James R. Jeanes, Cecil B.
1945	Dickinson, Emintrude	1954	Cooper, James E. Hyde, Wayne Miller, Eugene O'Dell, Stewart Platas, Oscar Schimelpfenig, C. W. Yarbrough, Kenneth N.
1946	Goode, William E. Jones, James H. Kemplin, John C.	1955	Armistead, John W. Brown, Robert Wade El-Eris, Talib Mahon, Frank M. Padgett, William A. Talbot, Ted D.
1947	Ashmore, James Mark, Dewey Mattison, Marjorie McBride, Mozelle Prindle, Hershel Robbins, Margaret Scarborough, Martha Skinner, Charles Sutton, Cecil Thomas, John W. Vaughan, George	1956	Brady, William T. Maglaughlin, Edward Perry, Reeves B. Pinkerton, Allan
1948	No Masters Degrees Awarded	1957	Banta, Marion C. Cavitt, Stanley B. Compton, Ross D. Crowe, Robert Cureton, Wilbur S. Peterson, Harold W. Shoulders, Ben A. Woods, Roy J.
1949	Baker, Andy Compton, David Hicks, Howard Middleton, William Sadler, Jack	1958	Armstrong, Andrew T. Matthews, Don M. Roberson, Charles R
1950	Solarek, Joe Wiist, Herbert A. Arnwine, Bennie C. Bearden, Robert G. Layne, Douglas K. Bryant, Burl E.		

1959	Aboytes, Peter Carter, Johnny S. Cunningham, Robert G. Marcia, John A. Papalos, John G.		1970	Johnson, Dennis P. Lee, Cheng C. Lewis, Wassel A. Wong, Pui-Suen	Skinner Theriot Norton Jones
1960	Barnhart, Richard L. Brown, Jerry L. Hinckley, Conrad Lamb, James F. Wimberley, Jerry W.		1971	Huddle, John D.	Skinner
1961	Hern, Kenneth T. Lin, Ying Reeves, Linda R. White, Marvin A. Yin, Helen		1972	Carey, Elbert F. Rettenmaier, Albert J.	Theriot Dobson
1962	Dyke, Maurice A. Lin, Ying Tsung Yin, Shang Ming		1973	McAdams, Mary J. Halper, Laura A. Pauley, Charles R. Skelton, Paul W. Stockton, James D.	Russell Norton Theriot Skinner Brady
1963	Carl, William P. Chanslor, Robert J. Creagh, Linda T. Lu, Chi Chang O'Neal, Hubert R. Pennington, David E.		1974	McCue, Bette A. Snapka, Robert M.	Norton Gracy
1964	Hsu, Yuan Tsun Liddell, Harold G. Lin, Jacob W. P. Yuan, D. Taniel	Brady	1975	Conn, Raymond W. Jones, William J. Lin, Shwu-Ching H. Miller, Toney G. Mo, Yeh-Chun Neitzel, Conrad J. Phillips, Gerald W. Seiwell, Ruth R. Tidwell, Edgar R. Tsai, Pei-Kuo Young, Clint D.	Theriot Gracy Desiderato Norton Marshall Russell Gracy Gracy
1965	Bryant, Franklin D. Waller, James F. Westmoreland, Thomas D.	Theriot	1976	Hines, Mary K. Smith, Garmon B. Ting, Haung-Ya	Theriot Glaze Jacobson
1966	Adams, George M. Dickie, David K. Hu, Hung-Jen Maurer, Larry E. Selman, Charles M. Vaughn, Walter L. Witkowski, Joseph T.	Norton	1977	Burleson, Jimmie L. Kattner, Richard M.	Glaze Marshall
1967	Hanicak, John E. Waters, Oralee H.		1978	Brandenburg, Reginald W. Chung, Shu-Shiao L. Dermanci, Alki Y. Hause, Harry E. II Townsend, Ronnel B. Tseng, Yuh-Miin	Froelich Desiderato Skinner Jacobson
1968	Chen, Evelyn Li-Ming Peyton, Gary R. Truitt, Sharon G. Waters, Samuel W.	Glaze Truitt Norton	1979	Hames, Mark H. McNair, David P. Nalepka, Edward R.	Jones Desiderato Norton
1969	Sanders, Edward H.	Norton	1980	Arnett, Joseph E. Barton, Rodney A. Bell, Stephen L. Chang, David G. Chiasson, Kevin D. Eberendu, Alexis R.	Russell Jacobson Brady Saleh Russell Daugherty

1980	Hall, Lindsey H. Ike, Chukwuka Kinstley, Warren O. Manson, Robert Norton, Frederick S. Saracoglu, Oya A. Snyder, Walter D. Wilkerson, Michael G.	Marshall Daugherty Glaze Marshall Russell Marshall Jones Norton	1987	Albanesi, Todd E. Bobbitt, Kevin L. Chien, Wenwen Gan, Din-Chung Goeringer, Alan S. Lai, Chung-Jeng Lien, Wan-Fu J. Ong, Wenching Rowland, Keith Singletary, Mary S. Williams, Stanely B.	Jones Conlin Dobson Tarter Jones Theriot Tarter Brady Thomas Russell Schwartz
1981	Adeosun, Akinola O. Bryce, Kenneth L. Lin, Simon Hsiu Smith, Vana L.	Daugherty Daugherty Glaze Thompson	1988	Chen, Peng Hu, Wan-Ping Huang, Shiong-Jiun J. Liao, Jing-Piin Montgomery, John L. Oquendo, Javier Pannell, Daniel K. Tai, Chia-Hui Vallarino, Irma G.	Desiderato Schwartz Schwartz Dobson Theriot Daugherty Tarter Daugherty Tarter
1982	Abachi, Shamsi Hey, Michael B. Hodzi, Richard A. Maleknia, Simin D. Mokti, Mohamad M. Pan, Chen-Rong Phillips, Alice B. Pope, Keith Saad, Bahruddin B. Schrynemeekers, Patrick Yang, Sang-Nin Zgambo, Thomas P.	Russell Daugherty Skinner Schwartz Saleh Russell Jones Jones Daugherty Dobson Daugherty	1989	Arno, Kathy N. Chi, Xiang-Yong Cueto, Hiram Hester, Barry C. Hu, Wan-Ping Montgomery, John L. Ren, Chien-Tai Schulman, Cheryl Straughn, Gregor K. Sullivan, David R. Zhao, Dalian	Harper Jones Theriot Dobson Schwartz Theriot Marchand Richmond Theriot Harper Marchand
1983	Ho, Salina Y. Jensen, Randy M. Leu, Tai-Fang Leung, Pak Lok Lin, Liang-Tsair Maketon, Supachai Mansour, Saber El S. Nguyen, Khanh Thi Wang, Chung Yu	Schwartz Thomas Jones Daugherty Russell Tarter Dobson Jones Tarter	1990	Dobson, Charles B. Greenwood, Scott B. Hester, Barry C. Kass, Kimberly D. Lu, Lu Lu, Shao-Po Partin, John A. Shi, Youchun Tai, Miin-Huey (Alice) Tan, Changqing Wang, Hui-Wen (Wendy)	Marshall, J. Harper Dobson Harper Desiderato Marchand Richmond Marshall, P. Desiderato Conlin Saleh
1984	Gegbe, Henry T. Huang, Ohunmin Hunt, Austin P. Peng, Li-Huang H. Tu, Huai-Tsu Woo, Cheon-Shik	Daugherty Marchand Russell Brady Norton Jones	1991	Calderon, Jose G. Lee, Ya Nowrouzi, Azin Ross, David C. Rowen, Deborah L. Sim, Young-Yong Tsay, Fuh-Rong Whang, Kyu-Ho Yuan, Win-Jae	Marshall, J. Braterman Daugherty Theriot Schwartz Jones Marchand Brostow Schwartz
1985	Aboo, Abdulmajid Baker, Norman L. Lee, David F. Jr.	Daugherty Russell Daugherty			
1986	Attili, Bassam S. Ashworth, Linda R. Ballivian, Maria C. Bratcher, Lorraine Hagen, Catherine E. LaRoe, William D. Souroush, Gholamhossein Maketon, Supachai Mansour, Saber E.S.	Daugherty Russell Theriot Conlin Harper Marchand Daugherty Tarter Dobson			

1992	Anderson, John D. Baker, Vicki A. Brand, David A. Coleman, James A. Ding, Luying Kennedy, Wendy T. Miller, Mark S. Taylor, Craig A. Teng, I-Lih Wen, Tun-San	Schwartz Acree Schwartz Braterman P. Marshall Schwartz Richmond P. Marshall Acree Schwartz	1998	Dollar, David Osafo, Alex Pena, Piedad Sarid, Ravit	J. Marshall Schwartz Pinizzotto Kelber
1993	Gao, Yang Lee, Ang-Jin Measmer, Matthew Welton, Theresa E. Zope, Anjali	J. Marshall Theriot Thomas Kelber Marchand	1999	Bujard, Bernard Cloud, Claybion III Hao, Xiaokuai He, Huang Henley, David Jiang, Jianping Lou, Shaowei Muegge, Erik Niyogi, Sandip Pritchett, Merry Snively, Christopher T. Ward, Jennifer Xu, Huanchi Zhu, Hui	Kelber Schwartz McAllister Thomas Thomas Braterman Braterman Schwartz Wiedenfled Kelber Schwartz Wiedenfled Kelber McAllister
1994	Gu, Jianhong Ji, Jianhua Laakso, Dianna Munoz, Trinidad, Jr. Teasdale, Mary Wang, Yan Wilkins, Denise Williamson, Christine	Bates Bates P. Marshall Richmond Bott Desiderato Acree Schwartz	2000	Maiti, Marie Sheela Niyogi, Sandip Peng, Haiqing Shangguan, Xin Xiao, Wu	Desiderato Wiedenfled Chyan McAllister Wiedenfled
1995	Bower, Kathleen Chien, Hsu-Yueh Ekstrom, Bradley Fennell, Mark Francis, Elizabeth Liu, Zenghui Maiti, Tushar Wang, Yanbin Zhao, Jingxian	Kelber Chyan Kelber J. Marshall P. Marshall Marchand Bates Schwartz Braterman	2001	Briester, Brian Ferreira, Aluisio Hazlewood, Anna Liu, Jie Niu, Chengyu Petros, Robby Walton, Waylan Zhou, Bo	Braterman Thomas Marchand Richmond Kelber Thomas Dobson Hu
1996	Deng, Taihe Fulton, Candice Hammad, Loubna Havner, Grey Kim, Sungsoo Liu, Min Misra, Ashutosh Stevens, Larry Wu, Junjun	Daugherty J. Marshall Schwartz Jones Daugherty Chyan P. Marshall Schwartz Chyan	2002	Chen, Minua Davis, James Han, Do ng Rocha, John-David Smith, Stacey Xu, Wenjian Yu, Liwen	Golden Thomas Wiedenfled P. Marshall Golden Wiedenfled Schwartz
1997	Ballinger, Cynthia Dong, Zhiming Duan, Xiaohua Garcia, Samuel Nagy, Peter Palmer, Prem Pingsuthiwong, Charoendee Thornton, Terry Wang, Jian-Cheng Xu, Fei	Kelber Marchand J. Marshall McAllister Desiderato McAllister Golden Thomas Richmond Chyan	2003	Borders, Tammie Brown, Benjamin Chen, Tao Hogue, Sharon Huang, Long Huang, Zilin Ji, Mingzhe Lai, Huiguo Naidoo, Jacinth Stratton, Eric	Wilson Golden Richmond Mason Chyan Marchand Marchand Omary P. Marshall Mason
1998	Cremesti, Rami Debrah, Stephen	J. Marshall Theriot	2004	Akinola, Adeniyi Barakat, Khaldoon Briester, Fang Wei DeFina, Karina Dinescu, Adriana	Marchand Cundari Braterman Acree Cundari

2004	Goerdel, Bethany Liu, Jian Medley, Marilyn Shang, Yajuan Vappala, Indu Vavilala, Suma Wang, Chen Wang, Jing	Mason Kelber Thomas Golden Marchand Golden Kelber Golden	2006	Buxton, David L., III Crouch, Stephen Dickey, Kari Flores, Sarah Hollins, Jr., Bernard Kandala Srikanth Stovall, Dawn M. Wu, Guanmin	Golden Hu Golden Chyan Golden Richmond Acree Richmond
2005	Annamraju, Aparna Pingali Baba, Eduard Ojeda, Oscar Pitner, Matthew Sellers, Amber Nicole	Mason Cundari Chyan Mason Thomas	2007	Akintomide, Temiloluwa Armbruster, Patricia Boateng, Stephen Pillai, Karthikeyan	Selby Mason Omary Chyan



Doctoral Degrees

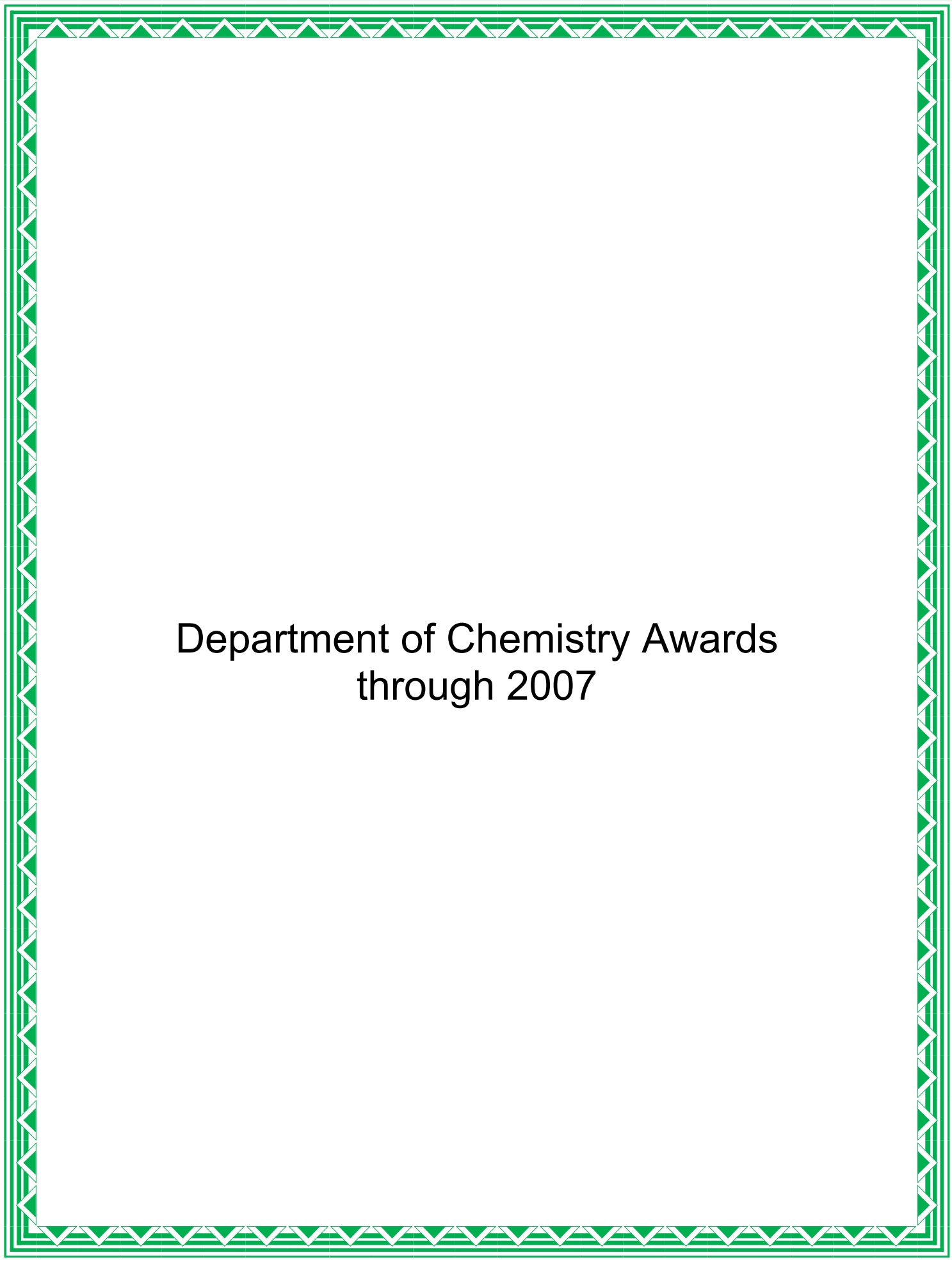
1967-2007

DOCTORAL DEGREES AWARDED
1967-2007

1967	Creagh, Linda T. Hsu, Yuan Tsun O'Neal, Hubert R.	Truitt Escue Brady	1977	Cheng, Theresa C. Faehl, Larry G. Lim, Thomas F. O. Owens, Robert A. Pardue, Jerry E.	Brady Marshall Jones Brady Dobson
1968	Flinn, David R. Hu, James Hung-Jen Selman, Charles M.	Escue Theriot Glaze	1978	Causley, Gary C. Pruettiangkura, Pote Yuan, Pau-Miau	Russell Theriot Gracy
1969	Carlisle, Gene O. Ganguli, Kalyan K.	Theriot Theriot	1979	Asali, Khalil J. Lloyd, Michael R.	Dobson Brady
1970	Brewer, Terry L. Clifton, George G. Dorsey, Edwin D. Freeman, Gerald R. French, Eddie C. Hoff, Edwin F. Justice, David R. Linsey, Clarence Parry, Fred H., III Roe, Robert , Jr. Smith, Larry Sullivan, Patrick T. Terry, John C.	Glaze Skinner Brady Desiderato Hurd Brady Hurd Escue Brady Brady Brady Desiderato	1980	Fribush, Howard M. Gibson, David R. Huang, Francis Yu-Chang Maloney, John R. Oray, Bedii Saidi, Kazem Sims, James L.	Lyle Gracy Glaze Lyle Norton Brady
1971	Brown, Richard A. Drews, Michael J. Hieble, Jacob P. Sargent, Dale K.	Dobson Jones Brady Skinner	1981	Clark, James B. McDaniel, Cato R., Jr. Pierce, Richard A. Schander, Judith T. Sheppard, Rex G. Smith, Darwin D. Watts, Ronald D. White, Roger J.	Russell Marshall Jones Russell Norton Norton Brady Lyle
1972	Hicks, Helen S. Jernigan, Robert T. Newman, Robert L.	Glaze Dobson	1982	Altenloh, Daniel D. Canada, Edward, Jr. Gunn, Valerie E. Henderson, James E. Kaya, Riza	Russell Marshall Lyle Glaze Beller
1973	Masingale, Robert E. Patel, Arvindbhai D.	Skinner Brady	1983	Agho, Michael O. Eberendu, Alexis N.	Brady Daugherty
1974	Brown, Dale G. Jung, Nam, II Kester, Marian V. Miller, Denis E. Sawyer, Thomas H. Scherubel, Gary A. Scott, John D. Tilley, Bill E.	Jones Norton Marshall Gracy Brady Russell Gracy	1984	Amani, Saeid Friedman, Barry R. Griffin, Joseph G. Daugherty Lee, Myong Euy Shieh, Chia-Hui	Theriot Schwartz Jones Brady
1975	Schultz, Linda D. Song, Ban-Huat Ting, Lu-Ping P.	Dobson Marshall Brady	1985	Chen, Jen Hui Cheng, Home-Been (Albert) Ko, Jinren Kwak, Young-Woo Safa, Ali Ibrahim	Schwartz Jones Brady Conlin Daugherty
1976	Dunn, Danny L. Halper, Laura A. Moore, Michael L. Moradi-Araghi, Ahmad	Skinner Glaze Dobson	1986	Chang, Juan-Yuan Giang, Yun-Seng F.	Saleh Brady

1986	Maketon, Supachai Mansour, Saber E. Rozell, James M., Jr.	Tarter Dobson Jones	1994	Murray, Eric Tucker, Sheryl A. Wang, Yanjun Yang, Kaiyuan	Kelber Acree Marchand Richmond
1987	Bates, Tim F. Huang, Jin-Mo Jin, Pei-Wen Jones, Vonda K.	Jones Daugherty Marchand Tarter	1995	Chen, Peng Chyan, Ming-Kuan Xing, Dongxia Yang, Lei	Braterman Norton Marchand Braterman
1987	Rodriguez, Arturo A. Wu, An-Hsiang Zgambo, Thomas P.	Schwartz Marchand Daugherty	1996	Drewniak, Marta Gravelle, Philip W. Hall, Lindsey H. Wang, Dongqing Yuan, Win-Jae	Brostow Bott J. Marshall Schwartz P. Marshall
1988	Chen, Fu-Jeng (Andy) Jen, Jen-Fon	Schwartz Tarter	1997	Hyacinth, Cabibil L. McHale, Mary E. Misra, Ashutosh Nguyen, Hanh D. Nuesca, Guillermo Powell, Joyce R. Shen, Huafeng Sutcliffe, Ron D. Wolfgong, William J.	Kelber Acree P. Marshall Thomas Kelber Acree Richmond Kelber Bott
1989	Awad, Hani H. Cortes, Jose E. Gu, Yi Qi Haj-Mahmoud, Qasem M. Kim, In-Young Lee, Jing-Ming J. Lee, Sang-Woo Namavari, Mohammad Poslusny, Matthew Wang, I-Hsiung	Dobson Dobson Brady Saleh Saleh Norton Richmond Conlin Daugherty Dobson	1998	Bocclair, Joseph W. Ladogana, Santino Lin, Tien-Chih Pandey, Siddharth Shukla, Rajesh Smith, Janna M.	Braterman Dobson Kelber Acree Marchand Bott
1990	Ellington, Donald H. Jo, Kyo Dong Moore, Paul Ong, Wen-Ching Wang, Shao-Pin Zhang, Shulin	Thomas Jones Daugherty Saleh Schwartz Dobson	1999	Chen, Li Chong, Hyun-Soon Deng, Taihe McKim, Artie S. Pan, Yongping	Kelber Marchand Acree Marchand McAllister
1991	Attili, Bassam S. Dad, Mohammad M. Don, Ming-Jaw Uang, Shinian Yuan, Peng Zhang, Shizhong	Daugherty Brady Richmond Jones Schwartz Conlin	2000	Addepalli, Swarna Kumar, Ganesh Shepherd, Krupanand Wang, Jian-Cheng	Kelber McAllister Kelber Richmond
1992	Chough, Jaechon DeLong, George T. Liao, Jing-Piin Pannell, Daniel K.	Jones Thomas Saleh Thomas	2001	Dolliver, Debra Niu, Chengyu Pribyla, Karen	Richmond Kelber Acree
1993	Ingram, Kevin D. Sees, Jennifer A. Talasek, Robert T. Wang, Kuen-Shian Zhao, Baoshu	Daugherty J. Marshall Daugherty Schwartz Daugherty	2002	Hu, Xiaohua Peebles, Lynda Ponnuswamy, Thomas Yarberry, Faith	P. Marshall P. Marshall Chyan Braterman
1994	Calderon, Jose G. Cheek, Roger W. Hill, Russell L. Lopez, Betty L.	J. Marshall Kelber Daugherty Brostow	2003	Arunagiri, Tiruchirapalli Chan, Raymond Chen, Zhibing	Chyan Chyan Marchand

2003	Tong, Jinhong Wang, Qi Xia, Xiaohu	Kelber Golden Z. Hu	2006	Atim, Silvia El-Ashmawy, Amina El-Bjeirami, Oussama Huang, Zilin Nalla, Praveen Poola, Bhaskar Vaddadi, Sridhar Yockel, Scott Yuan, Qiuhua	Selby Mason Omary Thomas Chyan Richmond Cundari Wilson Golden
2004	Buda, Corneliu Garza, Michelle Huang, Gang Pingsuthiwong, Charoende Pritchett, Merry Zhou, Bo Zhao, Xiopeng	Cundari Kelber Hu Golden Kelber Hu Kelber	2007	Barakat, Khaldoon Dinescu, Adriana Grimes-Marchan, Thomas Hudson, Joshua Kandala, Srikanth Richardson, Mickey Yu, Liwen	Cundari Cundari Cundari Omary Richmond Braterman Schwartz
2005	Ekstrom, Bradly Hurd, Trace Lei, Jipu Qin, Feili Wang, Chen Wang, Xuelin Zhang, Yibin	Kelber Chyan Kelber Kelber Golden Wilson Chyan			



Department of Chemistry Awards
through 2007

CHEMISTRY ALUMNI HONOREES

HONORED	ALUMNI HONOREE	UNT DEGREES
1984	Herman Vaughan	B.S. 1950
1985	Robert Brown	B.S. 1955 M.S. 1956
1986	Edward Dorsey	Ph.D. 1970
1987	Frank Carey	B.A. 1970
1988	Pote Pruettiangkura	Ph.D. 1978
1989	Linda Schultz	Ph.D. 1975
1990	Robert Jernigan	Ph.D. 1972
1991	Cata McDaniel	B.A. 1973 Ph.D. 1980
1992	James H. Jones	B.S. 1947
1993	Douglas K. Lane	B.S. 1949 M.S. 1951
1994	Linda T. Creagh-Dexter	B.S. 1962 M.S. 1963 Ph.D. 1967
1995	Robert Roe, Jr.	Ph.D. 1970
1996	Pote Pruettiangkura	Ph.D. 1978
1997	Danny L. Dunn	Ph.D. 1976
1998	Dewey Mark	B.S. 1943 M.S. 1947
1999	James C. Carrico	B.S. 1957
2000	Frank C. Spencer	B.S. 1944

CHEMISTRY ALUMNI HONOREES

HONORED	ALUMNI HONOREE	UNT DEGREES
2001	Leroy Whitaker	B.S. 1950 M.S. 1952
2002	Andrew Armstrong	B.S. 1958 M.S. 1959
2003	Terry Lowell Brewer	B.A. 1965 Ph.D. 1970
2004	Jim Burleson	B.A. 1963 M.S. 1977
2005	Jack Spencer	B.S. 1946
2006	Albert Home-Been Cheng	Ph.D. 1985
2007	Frank Dalton	B.S. 1985 Ph.D. 1990

CHEMISTRY DEPARTMENT AWARDS

OUTSTANDING FRESHMAN AWARD: Outstanding Freshman Chemistry Student

1984	Kimberly Lechnir	1997	Yu Qiang Zhu
1985	Azin Nowrouzi	1998	Jennifer Shih
	Keung Au-Siu	1999	Amy Cockerham
1986	Wai Ming Simon Hsu		Mengkaj Sheih
1987	Shirley Choi	2000	Lance Kent
1988	Peter O'Connor		Alan Somers
	Mary Frank	2001	James Martin
1989	Matthew Arno	2002	Krzystof Findeisen
1990	Muhammad Haque	2003	Alan Lamb
1991	Thanh Van	2004	Wei Che Tseng
1992	Jason Jacobs	2005	Evan Gawlik
1993	Charles Zipper		Benjamin Williams
1994	Edward Boyden	2006	Yieu Chyan
1995	Sheela Singla	2007	James Pascoe
1996	Joseph Dunlop		

ROBERT WADE BROWN DEPARTMENTAL RECOGNITION AWARD: Outstanding Service by a Graduate or Advanced Undergraduate Chemistry Major in Support of the Programs and Activities of the Department of Chemistry

1985	Charles Dobson	1997	Kristin Fletcher
1986	Matthew Clarke		Waylan Walton
1987	Corby Young	1998	Faith Yarberry
1988	No award given	1999	Faith Yarberry
1989	Don Ellington	2000	Karina DeFina
	Thomas Fairleigh	2001	Carrie Blazek
1990	Cheryl Brooks		Jason Keith
1991	Roger Cheek	2002	Michele Stovall
	Theresa Welton	2003	Michelle Garza
1992	Kathleen Talafuse		Josh Hudson
1993	Mary Teasdale	2004	Pankaj Sinha
1994	Pat Cooke	2005	Christina Forsbach
	Kathleen Bower	2006	Kimberly Destefani
1995	David Henley		David Melton
1996	Janna Smith	2007	Marco Rodriguez

CHEMISTRY DEPARTMENT AWARDS

J. L. CARRICO AWARD: Outstanding Achievement by a Senior Chemistry Major

1969	Thomas Gordon Anderson	1989	Greg Havner
1970	Robert Patrick Thompson	1990	Robert Krause
1971	Nancy Jane Capps	1991	Peter O'Connor
1972	Joseph E. Barns, Jr	1992	Michelle Cloyd
1973	Steven Roy Walter	1993	Lance Braswell
1974	Don Porter Duncan	1994	Amy Bacchus
1975	Tony Lee Phillips	1995	Julie Pirro
1976	Dewitt Davenport	1996	Michael Jason Adams
1977	Richard A. Lange	1997	Samantha Hawkins
1978	Joan Ann Lutkenhaus Wallace Harper Mann	1998	Jason Tibbels
1979	Nina Sherise Trisdale	1998	Jay Smallwood
1980	Sharon Yoder	1999	Lindsay Roy
1981	Lorraine Kay Schroeder John Michael Erikson	2000	Robby Petros
1982	Linda Hemingway	2001	Jason Keith
1983	Karen Miles-Oray Debra Twehous	2002	Elena Dolghih Rosalyn Reades
1984	Catherine Hagen Peter Halvorson	2003	Parimah Kazemi
1985	Frank Dalton	2004	Brian Prascher
1986	Kevin Bobbitt	2005	No Award Given
1987	Kelly Maeckel	2006	Rebecca Lucente-Schultz John Hatcher
1988	John Partin	2007	Katherine Kate Kerr

W. N. MASTERS AWARD: Outstanding Achievement by a Junior or Senior Chemistry or Biochemistry Major

1980	Lorraine Schroeder	1994	Julie Pirro
1981	Minoo Jahani Debra A. Twehous	1995	Michael Adams
1982	Russell Gill	1996	Jason Tibbels
1983	Catherine Hagen Peter Halvorson	1997	Jay Smallwood
1984	Frank Dalton	1998	Robbi Franklin Lindsay Roy
1985	Kenneth Hanson Leslie Manning	1999	Jason Keith
1986	Azin Nowrouzi	2000	Amy Roberts
1987	Lisa Chambers	2001	Rosalyn Reades
1988	Greg Havner John Partin	2002	Parimah Kazemi Michele Stovall
1989	Rhonda Anderson Kevin Land	2003	Brian Prascher
1990	Peter O'Connor	2004	Kenichi Oguro
1991	Robert Wenham	2005	John Hatcher Rebecca Lucente-Schultz
1992	Emad Hashemi	2006	Katherine Kate Kerr Beth Martine
1993	Amy Bacchus	2007	David Melton

CHEMISTRY DEPARTMENT AWARDS

GEORGE VAUGHAN AWARD: Outstanding Achievement by a Graduate Student in Chemistry

1972	Thomas H. Sawyer	1992	Christine Stanton (Williamson)
1973	Denis Emil Miller	1993	Dongqing Wang
1974	Shhwu-Ching Horng Lin	1994	Ashutosh Misra
1975	Robert Austin Owens	1995	Siddarth Pandey
1976	Douglas Duncan White		Joyce Powell
1977	Khalil Jamil Asali	1996	JunJun Wu
1978	Mark Stephen Miller		Quanshi Xiong
1979	Lindsey Harrison Hall	1997	Yongping Pan
1980	Barry Richard Friedman	1998	Debra Dolliver
1981	Michael O. Agho		Xiaokuai Hao
1982	Jen-Hui Chen	1999	Hui Zhu
1983	Randy Jensen		Qi Wang
	James Rozell	2000	Wentong Li
1984	Jin-Ren Ko	2001	Huiquo Lai
1985	Fu-Tseng Chen	2002	Jian Liu
1986	Jin-Mo Huang		Xuelin Wang
1987	Paul Moore	2003	Oussama El-Bjeirami
	Matthew Poslusny		Yibin Zhang
1988	Ky Dong Jo	2004	Adriana Dinescu
	Shulin Zhang	2005	Ben Mintz
1989	Baoshu Zhao	2006	Tom Grimes
1990	Russel Hill		Shyam Venkatanaman
1991	Sheryl Tucker	2007	Gavin Williams

ADDIE MAE LLOYD CURBO AWARD: Outstanding Freshman Chemistry Major

1984	Karen Johnson	1997	No Award Given
1985	Lesley Frogg	1998	Justin Briggie
1986	Grey Havner	1999	No Award Given
1987	No Award Given	2000	No Award Given
1988	Peter O'Conner	2001	No Award Given
1989	Gregory Blakney	2002	No Award Given
1990	Melissa Folk	2003	John Hatcher
1991	David Stidd		Rebecca Lucente
1992	Melissa Hodges	2004	Hiroki Mae
1993	No Award Given	2005	No award given
1994	No Award Given	2006	No award given
1995	No Award Given	2007	No award given
1996	David Kelly		

CHEMISTRY DEPARTMENT AWARDS

HERMAN AND CLOTA VAUGHAN AWARD: Outstanding Chemistry Major at the Sophomore Level

1991	Barry Bloom	2000	Rosalyn Reades
1992	Amy Bacchus	2001	Dawn Michele Stovall
1993	Adriane Martin	2002	Brian Prascher
1994	Michael Adams	2003	Kenichi Oguro
1995	Jason Tibbels	2004	John Hatcher
1996	Samantha Hawkins	2005	David Melton
1997	Lindsay Roy		Walker Matt Powe
1998	Jason Keith	2006	Kyle Wilson
1999	Amy Roberts	2007	Christine Ellis

JAMES J. AND RUTH SPURLOCK AWARD: Outstanding Research Achievement by a Graduate Student in Chemistry

1994	Sheryl Tucker	2001	Anna Hazlewood
1995	Dongqing Wang	2002	Tana Arunagiri
1996	Win-Jae Yuan	2003	Qi Wang
1997	Rajesh Shukla	2004	Gang Huang
	Siddharth Pandey	2005	Oussama El-Bjeirami
1998	Artie McKim	2006	Scott Yockel
1999	Yongping Pan	2007	Adriana Dinescu
2000	Xiaohua Pan		

VIRGINIA H. AND NORMAN E. WEST CHEMISTRY SCHOLARSHIP: Outstanding Incoming Undergraduate Chemistry Major

1999	Rosalyn Reades	2003	Ngoc Lehuy Phan
2000	Jason Jolivet	2004	Edmund Duban
	Parimah Kazemitabrizi	2005	John Tosetto
2001	Cassandra Monarrez	2006	No award given
	Nicholas Petree	2007	Darren Melton
2002	Mark Hix		

NEW CHEMISTRY STUDENT SCHOLARSHIP:

2003 Chris Paul

CHEMISTRY DEPARTMENT AWARDS

CHEMISTRY EDUCATION SCHOLARSHIP

2004 Aparna Annamraju
 Sharon Hogue

2005 No award given
2006 No award given

VIRGIL and CATHERINE ROGERS CHEMISTRY SCHOLARSHIP: Undergraduate Chemistry Major for Outstanding Research at the Undergraduate level

2006 Angeline Wairegi

2007 Roy McDougald

ED and JULIA HODGES SCHOLARSHIP: Outstanding Chemistry Graduate Student

2007 Tom Grimes
 Ben Mintz

R.B. ESCUE SCHOLARSHIP AWARD IN CHEMISTRY EDUCATION

2007 Kristin Sherman

RE CALDERON CHEMISTRY SCHOLARSHIP: Undergraduate Chemistry Major for Outstanding Research at the Undergraduate Level

2007 Brooke Blake-Taylor

UNT CHEMISTRY STUDENT AWARDS

GRADUATE SCHOOL DOCTORAL FELLOWSHIP

1993	Kathleen Bower	2000	Guang Huang
	Chris Stanton	2004	Tom Grimes
1995	Angela McGuffey	2007	Katherine Kate Kerr

TOULOUSE GRADUATE SCHOOL DISSERTATIONS AWARD

1997	Jessie Yuan	2007	Adriana Dinescu
1998	Ashutosh Misra		

BURL GORDON ROGERS AWARD

2002	Rosalyn Reades	2007	Dagmar Salazar
2003	Ann Styrvoky		

RESEARCH VICE PRESIDENT'S DISSERTATION AWARD

2004 Xiaohu Xia

GRADUATE SCHOOL MASTERS "FIRST-YEAR DOCTORAL" FELLOWSHIP

2006 Aaron Pierpont
Brent Wilson

REGIONAL CHEMISTRY STUDENT AWARDS

D/FW SECTION of ACS MEETING-in-MINIATURE: GRADUATE AWARD

1996	Mary McHale - 1 st Place Hanh Ngyuen - 1 st Place	2002	Tana Arunagiri – 1 st Place James Seals – Honorable Mention Xuelin Wang – Honorable Mention
1998	Artie McKim - Honorable Mention		James Seals – 1 st Place
1999	Artie McKim - Honorable Mention	2003	Pankaj Sinha – 2 nd Place
2000	Raymond Chan - 3 rd Place Thavendran Govender – 2 nd Place	2005	Ben Mintz – 2 nd Place
2001	Anna Hazlewood – 2 nd Place	2006	Josh Hudson – 3 rd Place

D/FW SECTION of ACS MEETING-in-MINIATURE: UNDERGRADUATE AWARD

1998	Andrea Lay - 3 rd Place	2005	Amy Shah - 3 rd Place
1999	Justin Briggie - 3 rd Place		Evan Gawlik - 3 rd Place
2004	Krishna Ventakesh – 2 nd Place	2006	Kennyth Randle – 1 st Place Parth Knade – 3 rd Place

ACS D/FW SECTION STUDENT SCHOLARSHIP

1999	Brian Brister	2004	Ben Mintz
2000	Robby Petros	2006	Rebecca Lucente-Schultz
2000	Elena Dolghih	2007	Beth Martine
2003	Brian Prascher		

NATIONAL CHEMISTRY STUDENT AWARDS

BARRY M. GOLDWATER SCHOLARSHIP

1996	Jason Tibbels	2002	Stephen Chen
1997	Jay Smallwood		Vivian Liang
2001	Robert Adam Horch Shaun Stewart		

NSF GRADUATE FELLOWSHIP

1989	Sheryl Tucker	1999	Lindsay Roy (Hon. Mention)
1994	Ronald Sutcliffe	2001	Jason Keith (Hon Mention)

NSF GRADUATE EAST ASIA and PACIFIC SUMMER FELLOWSHIP

2005	Tom Grimes Scott Yockel	2007	Ben Mintz
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RUTH SALTER NATIONAL SCHOLARSHIP

1990	Mary McHale
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AMERICAN ASSOCIATION of UNIVERSITY WOMEN

1992	Sheryl Tucker	1995	Joyce Powell
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NEW MEXICO CHAPTER of AMERICAN VACUUM SOCIETY: BEST PAPER AWARD

1997	Hyacinth Cabibil
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AMERICAN INSTITUTE of CHEMIST FOUNDATION STUDENT AWARD

1999	Lindsay Roy	2003	Rebecca Siler
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ACS DIVISION of POLYMER CHEMISTRY of POLYMERIC MATERIALS: SCIENCE and ENGINEERING AWARD

1999	Jason Keith
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NATIONAL CHEMISTRY STUDENT AWARDS

INTEL SCIENCE TALENT SEARCH (*formerly*) WESTINGHOUSE NATIONAL TALENT SEARCH FINALISTS1998 Patrick Goodwill
2000 Manu Unni2001 Robert Adam Horch
2004 Kuei-Han "Joe" Chen**ACS DIVISION of COMPUTERS in CHEMISTRY: CHEMICAL COMPUTING GROUP EXCELLENCE AWARD**

2002 Xuelin Wang

RONALD E. McNAIR POST BACCALAUREATE AWARD

1999 Tina Sharp

2001 Mathew Dowling

ACS WOMEN CHEMISTS COMMITTEE: ELI LILLY GRADUATE TRAVEL AWARD

1994 Anita Zvaigzne

2007 Kerry Etchison

NATIONAL IOTA SIGMA PI AWARD: OUTSTANDING ACHIEVEMENT in GRADUATE RESEARCH

1994 Sheryl Tucker

RAUPE MEMORIAL PROFESSIONAL SCHOLARSHIP

2001 Mathew Dowling

B. CRAIG RAUPE TRAVEL AWARD

2007 Chris Dewberry

ACS ANALYTICAL CHEMISTRY AWARD

2007 Nicole Wallace

NATIONAL CHEMISTRY POSTDOCTORAL AWARDS

ACS DIVISION of INORGANIC CHEMISTRY YOUNG INVESTIGATOR AWARD

2006 Oussama El-Bjeirami

UNT CHEMISTRY FACULTY AWARDS

REGENTS LECTURER

1989 Dr. Alan Marchand		1994 Dr. Kenneth Daugherty
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TOULOUSE SCHOLARS AWARD

1985 Dr. Gerard R. Dobson		2001 Dr. Jeffry Kelber
1993 Dr. Alan Marchand		

STUDENT ASSOCIATION HONOR PROFESSOR AWARD

1994 Dr. Paul Jones		1998 Dr. Michael McAllister
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MORTAR BOARD TOP PROFESSOR

1994 Dr. Simon Bott		1994 Dr. Paul Marshall
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DEVELOPING SCHOLARS AWARD

1996 Dr. Paul Marshall		1997 Dr. Oliver Chyan
Dr. Michael G. Richmond		1999 Dr. Ruthanne D. Thomas

DECKER SCHOLARS AWARD

1999-01 Dr. Alan Marchand		2007-09 Dr. Tom Cundari
2003-05 Dr. Jeffry Kelber		

McNAIR SCHOLARS PROGRAM'S SERVICE AWARD

2004 Dr. William Acree

UNT COMMUNITY AWARD

2005 Dr. Diana Mason

UNT UPWARD BOUND MATH AND SCIENCE MENTOR AWARD

2006 Dr. William Acree

REGIONAL CHEMISTRY FACULTY AWARDS

DFW SECTION of the AMERICAN CHEMICAL SOCIETY: WILFRED T. DOHERTY AWARD

1978 Dr. Gordon Skinner
1983 Dr. William T. Brady
1985 Dr. Paul Jones

1991 Dr. Alan Marchand
2002 Dr. Jeffry Kelber

ROBERT A. WELCH LECTURER

1997 Dr. Alan Marchand

LEADERSHIP TEXAS

2000 Dr. Ruthanne D. Thomas

2003 Dr. Angela Wilson

AMERICAN CHEMICAL SOCIETY: OUTSTANDING SERVICE AWARD

2001 Dr. Diana Mason

AMERICAN CHEMICAL TEACHERS OF TEXAS (ACT₂): OUTSTANDING SERVICE AWARD

2001 Dr. Diana Mason

POWER PIPELINE AWARD

2001 Dr. Angela Wilson

AMERICAN CHEMICAL SOCIETY: YOUNG CHEMISTS COMMITTEE LEADERSHIP DEVELOPMENT AWARD

2002 Dr. Angela Wilson

AMERICAN CHEMICAL SOCIETY OUTSTANDING PAPER AWARD from the DIVISION of the HISTORY of CHEMISTRY

2004 Dr. Jim Marshall

NATIONAL CHEMISTRY FACULTY AWARDS

ALPHA CHI SIGMA: JOHN R. KUEBLER AWARD

1990 Dr. Gerard Dobson | 2006 Dr. Paul Jones

R & D 100 AWARD

1989 Dr. Kenneth Daugherty

SEMICONDUCTOR RESEARCH CORPORATION INVENTOR'S RECOGNITION AWARD

1998 Dr. Jeffrey Kelber | 2004 Dr. Jeffrey Kelber

WILEY INTERNATIONAL JOURNAL of QUANTUM CHEMISTRY: YOUNG INVESTIGATOR AWARD

2003 Dr. Angela Wilson

ARTHUR C. COPE SCHOLAR AWARD

2005 Dr. Weston Borden

FELLOW of the AMERICAN ASSOCIATION for the ADVANCEMENT of SCIENCE

2005 Dr. Weston Borden

NATIONAL SCIENCE FOUNDATION CAREER GRANT AWARD

2003-08 Dr. Angela K. Wilson | 2004-09 Dr. Mohammad Omary

INTER-AMERICAN PHOTOCHEMICAL SOCIETY YOUNG INVESTIGATOR AWARD

2006 Dr. Mohammad Omary

AIR FORCE of SCIENTIFIC RESEARCH YOUNG INVESTIGATOR AWARD

2007 Dr. Guido Verbeck

Faculty Publications

2005-2007

FACULTY PUBLICATIONS:

ACREE:

"Solubility of Crystalline Nonelectrolyte Solutes in Organic Solvents: Mathematical Correlation of 3-Nitrobenzoic Acids Solubilities with the Abraham General Solvation Model," A. K. Charlton, C. R. Daniels, R. M. Wold, E. Pustejovsky, W. E. Acree, Jr. and M. H. Abraham, *J. Mol. Liq.*, 2005, 116, 19.

"Experimental Thermochemical Study of Three Monosubstituted Pyrazines," M. D. M. C. Ribeiro da Silva, M. S. Miranda, C. M. V. Vaz, M. A. R. Matos and W. E. Acree, Jr., *J. Chem. Thermodyn.*, 2005, 37, 49.

"Comments Concerning (Liquid + Liquid) Phase Behavior for Systems Containing (Aromatic + TBA + Methylcyclohexane)," W. E. Acree, Jr., *J. Chem. Thermodyn.*, 2005, 37, 389.

"Characterisation of the Water-Isopropyl Myristate System," M. H. Abraham and W. E. Acree, Jr., *Int. J. Pharm.*, 2005, 294, 121.

"Solubility of Crystalline Nonelectrolyte Solutes in Organic Solvents: Mathematical Correlation of 3-Chlorobenzoic Acid Solubilities with the Abraham Solvation Parameter Model," K. R. Hoover, K. Pop, W. E. Acree, Jr. and M. H. Abraham, *S. African J. Chem.*, 2005, 58, 25.

"Modeling Acid Dissociation Constant of Analytes in Binary Solvents at Various Temperatures Using the Jouyban-Acree Model," A. Jouyban, S. Soltani, H.-K. Chan and W. E. Acree, Jr., *Thermochim. Acta*, 2005, 428, 119.

"Calculation of the Viscosity of Binary Liquids at Various Temperatures using the Jouyban-Acree Model," A. Jouyban, M. Khoubnasabjafari, Z. Vaez-Gharamaleki, Z. Fekari and W. E. Acree, Jr., *Chem. Pharm. Bull.*, 2005, 53, 519.

"Solubility of Crystalline Nonelectrolyte Solutes in Organic Solvents: Mathematical Correlation of Ibuprofen Solubilities with the Abraham Solvation Parameter Model," D. M. Stovall, C. Givens, S. Keown, K. R. Hoover, E. Rodriguez, W. E. Acree, Jr. and M. H. Abraham, *Phys. Chem. Liq.*, 2005, 43, 261.

"Solubility of 9-Fluorenone, Thianthrene and Xanthene in Organic Solvents," D. M. Stovall, W. E. Acree, Jr. and M. H. Abraham, *Fluid Phase Equilibr.*, 2005, 232, 113.

"The Dissociation Enthalpies of Terminal (N-O) Bonds in Organic Compounds," W. E. Acree, Jr., G. Pilcher and M. D. M. C. Ribeiro da Silva, *J. Phys. Chem. Ref. Data*, 2005, 34, 553. [Erratum, 34, 1555 (2005)]

"Air-to-Blood Distribution of Volatile Organic Compounds: A Linear Free Energy Analysis," M. H. Abraham, A. Ibrahim and W. E. Acree, Jr., *Chem. Res. Toxicol.*, 2005, 18, 904.

"A Unified Cosolvency Model for Calculating Solute Solubility in Mixed Solvents," A. Jouyban, N. Y. K. Chew, H.-K. Chan, M. Sabour and W. E. Acree, Jr., *Chem. Pharm. Bull.*, 2005, 53, 634.

"The Correlation and Prediction of Butane/Water and Gas/Butane Partition Coefficients," M. H. Abraham and W. E. Acree, Jr., *Can. J. Chem. Eng.*, 2005, 83, 362.

"General Treatment of Solubility. Part III. Principal Component Analysis (PCA) of Solubilities of Diverse Solutes in Diverse Solvents," A. R. Katritzky, D. C. Fara, A. Lauria, I. Tulp, A. A. Oliferenko, P. V. Oliferenko, U. Maran and W. E. Acree, Jr., *J. Chem. Inf. Model.*, 2005, 45, 913.

FACULTY PUBLICATIONS

ACREE cont:

"Thermochemical and Theoretical Studies of Dimethylpyridine-2,6-dicarboxylate, 2,3-, 2,5- and 2,6-Pyridinedicarboxylic Acids," M. A. R. Matos, V. M. F. Morais, M. D. M. C. Ribeiro da Silva, M. C. F. Marques, E. A. Sousa, J. P. Castifneiras, C. P. Santos and W. E. Acree, Jr., *J. Chem. Eng. Data*, 2005, 50, 1184.

"Mathematical Representation of Solute Solubility in Binary Mixture of Supercritical Fluids Using Jouyban-Acree Model," A. Jouyban, M. Khoubnasabjafari and W. E. Acree, Jr., *Pharmazie*, 2005, 60, 527.

"Energetics of the N-O Bonds in 2-Hydroxyphenazine-di-N-oxide," J. R. B. Gomes, E. A. Sousa, J. M. Gonçalves, M. J. S. Monte, P. Gomes, S. Pandey, W. E. Acree, Jr. and M. D. M. C. Ribeiro da Silva, *J. Phys. Chem. B*, 2005, 109, 16188.

"Correlation of the Solubility Behavior of Crystalline 1-Nitronaphthalene in Organic Solvents with the Abraham Solvation Parameter Model," K. R. Hoover, W. E. Acree, Jr. and M. H. Abraham, *J. Solution Chem.*, 2005, 34, 1121.

"Solubility of Crystalline Nonelectrolyte Solutes in Organic Solvents: Mathematical Correlation of 4-Chloro-3-nitrobenzoic Acid and 2-Chloro-5-nitrobenzoic Acid Solubilities with the Abraham Solvation Parameter Model," D. M. Stovall, C. Givens, S. Keown, K. R. Hoover, R. Barnes, C. Harris, J. Lozano, M. Nguyen, E. Rodriguez, W. E. Acree, Jr. and M. H. Abraham, *Phys. Chem. Liq.*, 2005, 43, 351.

"Solubility of Behavior of Crystalline Polycyclic Aromatic Hydrocarbons (PAHs): Prediction of Fluorene Solubilities in Organic Solvents with the Abraham Solvation Parameter Model," D. M. Stovall, K. R. Hoover, W. E. Acree, Jr. and M. H. Abraham, *Polycyclic Aromat. Compds.*, 2005, 25, 313.

"Mathematical Representation of the Density of Liquid Mixtures at Various Temperatures using Jouyban-Acree Model," A. Jouyban, A. Farthi-Azarbayjan, M. Khoubnasabjafari and W. E. Acree, Jr., *Indian J. Chem.*, 2005, 44A, 1553.

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"Photophysics of Bis(thiocyanato)gold(I) Complexes: Intriguing Structure-Luminescence Relationships", Ravi K. Arvapally, Pankaj Sinha, Samantha R. Hettiarachchi, Nathan L. Coker, Charles E. Bedel, Howard H. Patterson, R. C. Elder, Angela K. Wilson, and Mohammad A. Omary, *J. Phys. Chem. C*, 111, 10689 (2007).

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"Computational s-block Thermochemistry with the correlation consistent Composite Approach", Nathan J. DeYonker, Dustin S. Ho, Angela K. Wilson, and Thomas R. Cundari, *J. Phys. Chem. A* 110, 9767 (2007).



Faculty Papers and Seminars

2005-2007

FACULTY PAPERS AND SEMINARS

ACREE:

“Estudo Calorimétrico da 4-Fenilpiridina N-Óxido,” E. A. Sousa, W. E. Acree, Jr. and M. D. M. C. Ribeiro da Silva, presented at Livro de Resumos do 7º Encontro Nacional de Química – Física S.P.Q., Comunicação P11, Porto, Portugal, July 2005.

“Predicting Biologically Important Properties Using Solubilities and the Abraham General Solvation Model,” C. Givens, S. Keown, D. M. Stovall, K. R. Hoover, W. E. Acree, Jr. and M. H. Abraham, presented at 231st ACS National Meeting, Atlanta, Georgia, March 26-30, 2006.

“Experimental Thermochemical Study of Two Pyrazine N,N'-Dioxide Derivatives,” M. D. M. C. Ribeiro da Silva, M. A. A. Vieira and W. E. Acree, Jr., presented at International Symposium on Calorimetry and Chemical Thermodynamics, Campinas, Brazil, April, 2006.

“Predictive Methods: Are Experimental Measurements Still Necessary,” W. E. Acree, Jr., presented at the IUPAC conference, Boulder, Colorado, July 27-August 4, 2006. (invited symposium speaker)

The Mean Dissociation Enthalpy of the N-O Bond for 2,2'-Bipyridine N,N'-Dioxide,” M. D. M. C. Ribeiro da Silva, A. R. Monteiro, J. M. Gonçalves and W. E. Acree, Jr., presented at the IUPAC conference, Boulder, Colorado, July 27-August 4, 2006.

“Energetics of the Pyridinecarboxylic Acid Methyl Ester Isomers,” M. D. M. C. Ribeiro da Silva, V. L. S. Freitas and W. E. Acree, Jr., presented at the European Symposium on Thermal Analysis and Calorimetry, Krakow, Poland, August 27-31, 2006.

“Prediction of Pyrene Solubility in Non-Aqueous Solvent Mixtures Using Jouyban-Acree Model,” A. Jouyban, E. Tamizi and W. E. Acree, Jr., presented at Iranian Pharmaceutical Conference, Tehran, Iran, August, 2006.

“Thermochemical Study of Two Dimethylpyrazine-N,N-Dioxide Derivatives,” M. D. M. C. Ribeiro da Silva, J.I.T.A. Cabral and W.E. Acree, Jr., presented at MEDICTA 2007, Palermo, Italy. September, 2007

BAGUS:

P. S. Bagus, “Core Level Binding Energy Shifts In Metal Nanoclusters”, invited talk presented on March 11, 2005 at the Sanibel Symposium on Quantum Theory, St. Simons Island, Georgia.

P. S. Bagus and A. Wieckowski, “Binding Energies of Pt-Ru Mixed Metal Surface Systems”, invited talk presented on May, 19, 2005 at the Electrocatalysis symposium of the 207th Electrochemical Society meeting, Quebec, Canada.

P. S. Bagus and E. S. Ilton, “Rigorous theoretical determination of L-edge soft x-ray absorption spectra for transition metal complexes”, invited talk presented on May 25, 2005 at the 15th Goldschmidt Geochemistry meeting, Moscow, Idaho.

P. S. Bagus, “XPS Binding Energy Shifts of Metal Nanoparticles: A Rigorous Theoretical Analysis”, invited talk presented on June 17, 2005 at the 89th International Bunsen-Discussion Meeting, Hennessee, Germany.

FACULTY PAPERS AND SEMINARS

BAGUS cont:

P. S. Bagus, "Relating XPS Binding Energies to Electronic Structure: Theoretical Concepts and Their Application", seminar presented on September 30, 2005 at the Chemistry Department, University of Illinois, Urbana-Champaign.

P. S. Bagus, "X-ray Photoemission Spectra and Materials Properties: Theoretical Progress Toward Relating Them", seminar presented on November 7, 2005 to the Department of Chemistry, University Louis Pasteur, Strasbourg, France.

P. S. Bagus, "Decomposition Of Chemisorption Bonds: Unique Insights From Theory", seminar presented on November 18, 2005 to the Department of Chemistry at the University of Bonn, Bonn, Germany and on December 5, 2005 at the Physical Chemistry Department of the Fritz-Haber Institute, Berlin.

Adam Lewera, Ralf Hunger, Paul S. Bagus, Pawel J. Kulesza, Wolfram Jaegermann, Andrzej Wieckowski, "Studies of Novel Catalysts for New Generation Fuel Cells by Synchrotron High-Resolution XPS", presented at the Second Workshop of the O₂RedNet on Efficient Oxygen Reduction for Electrochemical Energy conversion, Ulm, Germany, April 6-7, 2006.

P. S. Bagus, "A Cluster Model Theoretical Analysis of the Work Transition Metal & Actinide Complexes", invited talk presented on June 22, 2006 at the ACTINET Workshop held at the Belgium SCF-CEN, Mol, Belgium.

P. S. Bagus, "A Unified Understanding of How and Why Adsorbates Induce Changes in Work Functions", a seminar presented on July 6, 2006 at the Chemistry Department, University of Illinois, Urbana-Champaign.

P. S. Bagus, "How and Why Adsorbates Induce Changes in the Work Functions of Metal Surfaces", a seminar presented on August 7, 2006 at the Chemistry Department of the University of Groningen, Groningen, The Netherlands.

P. S. Bagus and E. S. Ilton, "Rigorous Theory For XPS and XANES Spectra", an invited talk presented on August 17, 2006 at the Elettra Sincrotrone Trieste, Italy.

P. S. Bagus and Ch. Wöll, "The Origin of Work Function Changes Induced by Adsorbates on Metal Surfaces: A Theoretical Analysis", presented on November 15, 2006 at the National Meeting of the American Vacuum Society, San Francisco, California.

Paul S. Bagus and Ch. Wöll, "The Origin of Work Function Changes Induced by Adsorbates on Metal Surfaces: A Theoretical Analysis", an invited talk presented on January, 17, 2007 at the International Symposium on Theories of Organic Metal Interfaces, Osaka, Japan.

Paul S. Bagus and Ch. Wöll, "The Origin of Work Function Changes Induced by Adsorbates on Metal Surfaces: A Theoretical Analysis", an invited talk presented on January, 17, 2007 at the International Symposium on Theories of Organic Metal Interfaces, Osaka, Japan.

Paul S. Bagus and Scott Yockell, "Distance Dependence of the Core-Level Binding Energy in Pure and Mixed Metal Nanoparticles", an invited talk presented on March 25, 2007 at the symposium to honor Hajo Freund for the Gabor A. Somorjai Award for Research in Catalysis at the ACS National meeting, Chicago, IL.

FACULTY PAPERS AND SEMINARS

BAGUS cont:

Paul S. Bagus and Ch. Wöll, "The Origin of Work Function Changes Induced by Halogens Adsorbed on Metal Surfaces: A Quantum Chemical Analysis", an invited talk presented on March 29, 2007 at the symposium to honor Prof. W. A. Lester at the University of California, Berkeley, CA.

Paul S. Bagus, Scott Yockel, and Andrzej Wieckowski, "Core-Level Binding Energy Shifts in Pure and Mixed Metal Nanoparticles", Zernike Institute for Advanced Materials, University of Groningen, Groningen, The Netherlands, August 17, 2007.

Paul S. Bagus, "The Origins of Work Function Changes Induced by Adsorbates on Metal Surfaces: Beyond Charge Transfer" a seminar presented on October 16, 2007 at the Chemistry Department of the University of Milan B, Milan, Italy.

Paul S. Bagus and Eugene S. Ilton, "Deriving the Electronic Structure of Transition Metal and Actinide Oxides from XPS" at SFB Workshop "From Clusters to Catalysts – Transition Metals and Transition Metal Oxides", Erkner, Berlin, October 29, 2007.

Paul S. Bagus, "The Interaction of CO with Au: Some Surprises" a seminar presented on December 12, 2007 at the Chemical Physics Department of the Fritz-Haber Institute, Berlin.

BORDEN:

Symposium in Honor of John Pople, ACS National Meeting, San Diego., 2005

Cope Award Symposium, ACS National Meeting, Washington, DC, 2005

Gordon Research Conference on Physical-Organic Chemistry, New Hampshire, 2005

International Symposium on Reactive Intermediates, Edinburgh, Scotland, 2005

Symposium on Reactive Intermediates and Unusual Molecules, Pacific Basin Chemical Society Meeting, Honolulu. 2005

University of Texas at Arlington, 2005

University of Texas at Dallas, 2005

University of Melbourne, 2005

Australian National University, Canberra, 2005

Sydney University, 2005

University of Tasmania, 2005

University of Adelaide, 2005

Symposium in Honor of a Cope Scholar Award to Wes Borden, Regional ACS Meeting, Anaheim, CA, 2006

FACULTY PAPERS AND SEMINARS

BORDEN cont:

The Paul Schleyer Lecture, University of Georgia, 2006

Gordon Research Conference on Isotope Effects in Chemistry, Ventura, CA, 2006

Symposium on Modern Computational Chemistry, Okazaki, Japan, 2006

Radicals ion the Rockies V, Telluride, CO, 2006

Conference on Gas-Phase Ion Chemistry, Asilomar, CA, 2006

Texas Tech University, 2006

Troisième Cycle Lecturer in Switzerland, involving a total of five lectures at University of Fribourg, 2007; Basel University, 2007; Geneva University, 2007; University of Vienna, 2007

International Symposium on Reactive Intermediates and Unusual Molecules, Heron Island, Australia, 2007

Vanderbilt University, 2007

UNT Physics Department, 2007

XIVth International Workshop on Quantum Atomic and Molecular Tunneling, Houston, 2007

Symposium on Mechanisms of Organic and Biochemical Reactions, ACS Southwestern Regional Meeting, Lubbock, TX 2007

BRATERMAN:

Mickey C. Richardson, Paul S. Braterman, and Randall T. Cygan, Amino Acid-Layered Double Hydroxide Interactions; an Experimental and Molecular Dynamics Study, American Chemical Society meeting—in-miniature, University of Texas at Arlington, April 30, 2005.

Structure and dynamics of amino acids in layered double hydroxide materials, R. T. Cygan and P. S. Braterman, Department of Energy, Office of Basic Energy Sciences, Geosciences Research Program: Analytical and Isotopic Geochemistry, Abstract 43-44. Program review, June 5-6, 2005, Gaithersburg, Maryland.

Sandia National Laboratories Main Campus, Albuquerque NM, February 2005: Layered Double Hydroxides: Observations and Simulations.

CHYAN:

"Investigation of Electrochemical Copper Patination: pH Effect and iodine Adsorption" with Venkataraman, S.; Chyan, O.M.R.; American Chemical Society Meeting-in-Miniature, Arlington, Texas. (2005).

FACULTY PAPERS AND SEMINARS

CHYAN cont:

"Metallization of Surface Silicon Using Dinuclear Ruthenium Carbonyl Compounds and Metal Clusters. Anchoring of Ruthenium to a Si(111) Surface Through Covalent Ru-Si Bond Formation to give Monolayer Composition", Nalla, P.; Huang, S.; Zhang, Y.; Chyan, O.M.R.; Richmond, M.G., El Bouanani, M., American Chemical Society Meeting-in-Miniature, Arlington, Texas. (2005).

"Electrodeposition of Cu on Ru and Ru Oxide Ultra-thin Films and its Application to Cu Interconnects", Chyan, O.M.R.; Arunagiri, T.N.; Zhang, Y.; Ojeda, O.; Flores, S.; Nalla, P., the 207th meeting of the Electrochemical Society, Quebec City. (2005).

"Interfacial Characterization of Electrodeposited Cu on 5-10 nm Ru Films Supported by Low-k Dielectrics", Nalla, P.; Chyan, O.M.R.; Arunagiri, T.N., the 207th meeting of the Electrochemical Society, Quebec City. (2005).

"PVD vs. ECD Copper Diffusion and Interfacial Stability Studies Across a 5 nm Ruthenium Film Deposited on Silicon", Chyan, O.M.R.; Arunagiri, T.N.; Zhang, Y.; the 207th meeting of the Electrochemical Society, Quebec City. (2005).

"Arrayed Nanocomposites grown on TiSi₂-buffered Si for Electrochemical Energy Generation and Storage Applications", Sun L.; Fang, W.; Chyan, O.M.R.; Chen, K.; Chen, L., the 56th Annual Meeting of the International Society of Electrochemistry, Busan, Korea. (2005).

"Ru Enhanced Copper Corrosion in Ammonium Citrate Solution- A New Challenge for Cu CMP in Cu/Ru Structure", Nalla, P.; Chyan, O.M.R.; TECHCON 2005, Semiconductor Research Corporation, Portland, Oregon. 2005.

"Analytical TEM characterization of metal penetration and supercritical pore-sealing of ash-damaged porous low-k dielectrics" Gorman, B. P.; Mueller, D. W.; Chyan, O.; Reidy, R. F; Advanced Metallization Conference AMC 2005, Colorado Springs, CO, (2005).

"Preparation and Characterization of Ru Ultra-thin Film as a Directly Plateable Cu Diffusion Barrier", Texas Instruments Inc., Richardson, Texas. (February 2005).

"Elimination of Bimetallic Corrosion at Dissimilar Metal Interfaces in Cu Interconnect Microstructure", Semiconductor Research Corporation program Review, Stanford University, Palo Alto, California. (August 2005).

"Developing a Dynamic Corrosion Testing Methodology for the Next Generation Cu Interconnect Microstructure", Semiconductor Research Corporation Program Review, Stanford University, Palo Alto, California. (August 2005).

"Materials Chemistry of Ruthenium and its Applications in Microelectronics and Alternative Energy Production", Department of Chemistry, University of North Texas, Denton, Texas. (October 2005).

FACULTY PAPERS AND SEMINARS

CHYAN cont:

"Recent Advances in Silicon Materials Chemistry and it's Applications in Microelectronics Industry", Department of Chemistry, Texas A&M University, Commerce. (December 2005).

"Surface Oxide Formation on Ru and its Effect on Copper Electrodeposition", Chyan, O.M.R.; Venkataraman, S.; Yu, K.; the 208th meeting of the Electrochemical Society, Los Angeles. (2006). Result of grant received.

"Investigation of Electrochemical Copper Patination: Effects of pH and Iodine Adsorption Studies", Venkataraman, S.; Chyan, O.M.R., the 208th meeting of the Electrochemical Society, Los Angeles. (2006).

"Enhanced electrochemical properties of micro-energy devices based on arrayed carbon nanotubes and their composites with Pt-Ru or RuOx nanoparticles" Wang, C.H., Fang W.C., Shih H.C., Huang, J.H., Tsai, Y.T., Du, H.Y., Chen, L.C., Sun, C.L., Chen, K. H., Papakonstantinou, P., Chyan, O; Diamond 2006, Estoril, Portugal (2006).

"Investigation of Electrochemical Copper Patination on Noble Metal Surfaces", Y. Zhang, Venkataraman, S.; Chyan, O.M.R., , 231th American Chemical Society National Meeting, Atlanta, Georgia. (2006).

"Metal Electroplating on an Integrated Screen-Printed Electrode Assembly – New Approach to Teach Faraday's Law", Chyan, O.M.R, Chyan, Y; ACS Southwest Regional Meeting, Houston. (2006).

"Elimination of Bimetallic Corrosion at Dissimilar Metal Interfaces in Next Generation Cu Interconnect Microstructure", Texas Instruments Inc., Richardson, Texas. (Jan. 2006).

"Investigation of Interfacial Electrochemistry of Ruthenium and its Application to Advanced Metal Interconnect", 2006 Joint International Meeting of the Electrochemical Society, Cancun, Mexico. (November, 2006).

"Elimination of Bimetallic Corrosion at Dissimilar Metal Interfaces in Next Generation Cu Interconnect Microstructure", Texas Instruments Inc., Richardson, Texas. (January 2007).

"Interfacial Engineering of Ultra-thin Ruthenium Diffusion Barriers for Advanced Interconnect Applications", National Taiwan University, Taiwan. (January 2007).

"Materials Chemistry of Ruthenium and its Applications in Microelectronics and Alternative Energy Production", National Cheng-Kung University, Taiwan. (August 2007)

"Elimination of Bimetallic Corrosion at Dissimilar Metal Interfaces in Cu Interconnect Microstructure", Semiconductor Research Corporation program Review, UCLA, California. (August 2007).

"Interfacial Engineering of Ultra-thin Ruthenium Diffusion Barriers for Advanced Interconnect Applications", MIT, Department of Mechanical Engineering, Boston. (October 2007).

FACULTY PAPERS AND SEMINARS

COOKE:

"Relativistic Effects in Heavy Element Chemistry: A Spectroscopic Study." Invited talk at Tarleton State University, 27 October 2005.

"The Pure Rotational Spectroscopy of Heavy Metal-Containing Diatomic Molecules Beyond the Limit of the Born Oppenheimer Approximation". February, 2006.

"The Pure Rotational Spectroscopy of Heavy Metal-Containing Diatomic Molecules Beyond the Limit of the Born Oppenheimer Approximation". February, 2006.

The rotational spectrum of lutetium monoxide, $\text{LuO} (X^2 \Sigma^+)$, prepared using laser ablation, measured with a cavity pulsed jet Fourier transform spectrometer. June, 2006.

"Pulsed Nozzle Fourier Transform Rotational Spectroscopy below 2000 MHz", *Oxford University, England*, December 20, 2006.

"A High Resolution Look at Heavy Element Chemistry", *UT Dallas, September 19, 2007*.

CUNDARI:

"Modeling Metals in Chemistry and Biology;" East Central University (OK), September 30, 2005.

Modeling Metals in Chemistry and Biology;" Southern Methodist University, February 24, 2006.

"Modeling Metals in Chemistry and Biology;" Indiana University, September 8, 2006.

"Modeling Metals in Chemistry and Biology;" University of Texas – San Antonio, October 6, 2006.

"Modeling Metals in Chemistry and Biology;" Tulane University, November 27, 2006.

"Modeling Metals in Chemistry and Biology;" UNT Health Sciences Center, Department of Pharmacology and Neuroscience, February 6, 2007.

"Modeling of Metals in Biology. The Role of Electronic Spin in Metal Chemistry;" Steven F. Austin State University, March 22, 2007.

"Fun With Metals: Modeling the Catalytic Chemistry of Transition Metals;" Austin Peay State University, April 13, 2007.

"Fun With Metals: Modeling the Catalytic Chemistry of Transition Metals;" Southeastern Louisiana University, April 20, 2007.

"Modeling of Metals in Biology. The Role of Electronic Spin in Metal Chemistry;" Georgetown University, April 27, 2007.

"Modeling of Metals in Chemistry and Biology;" West Texas A&M University, October 5, 2007

FACULTY PAPERS AND SEMINARS

GOLDEN:

Q. Yuan and T.D. Golden "A Novel Route to Electrochemical Synthesis of Hydroxyapatite Coatings" ACS Meeting-in-Miniature, UT Arlington, TX, April 2005.

T.D. Golden "Forensic Science Program at the University of North Texas" 37th TAAHP Meeting, Baylor Medical School, Houston, TX, Feb. 3rd 2006. (Invited)

Catherine Huang, and T.D. Golden "Synthesis and Characterization of Nickel and Nickel Hydroxide Powders with Nanosize Particles" UNT Scholars Day, March 30, 2006.

T.D. Golden "Advising Protocols for Forensic Science Programs" CCCCD, Plano, TX, April 2006. (Invited)

T.D. Golden - Presentation of research interest to CHEM 5010, October 2006.

T.D. Golden "Nano-Strength: Establishing Polymerized Montmorillonite Nanocomposites within Electrodeposited Metallic Thin Films" TX State Univ, San Marcos, TX, Nov. 2006. (Invited).

KELBER:

Reactivities of Alumina Thin Films; Beyond UHV Fourth International Workshop on Oxide Surfaces, Aussois, France Jan. 3-7, (2005).

Advanced Interface Chemistry for Interconnect Processing, Texas Instruments, Feb. 4, 2005.

Reactivities of Alumina Thin Films; Beyond UHV Fourth International Workshop on Oxide Surfaces, Aussois, France Jan.3-7, (2005).

Advanced Interface Chemistry for Interconnect Processing, Texas Instruments, Feb. 4, 2005

In-situ surface science studies for Chemical Vapor Deposition and Cu Electrodeposition, Cookson Electronics/ATMI Feb. 8, 2005.

Surface Science Studies for Advanced Cu/Low-k Integration Invited Talk upon the Founding of a Joint Novellus/Fudan University Research Institute for Interconnect Research, Shanghai, China May 22-24 (2005).

Oxide Surface Chemistry: beyond ultra-high vacuum Given at the Symposium on Nanoscience in Honor of Prof. Galen Stucky's 70th Birthday, (Santa Barbara, December 8, 2006).

Substrate-controlled Limiting Thickness for Nanoscale Alumina Film Growth on Single Crystal Nickel Aluminides under non-UHV Conditions, American Vacuum Society Annual Meeting, Surface Science Symposium (San Francisco, November 16, 2006).

Surface Engineering for Front and Back End Metallization: Novel Routes to Abrupt, Robust Interfaces, Presentation to Novellus Corp. (Sunnyvale, CA, November 13, 2006.)

Scaling Interconnects to Nanodimensions: Interfacial chemistry considerations Invited Presentation at the 8th International Conference on Solid State and Integrated Circuit Technology (Shanghai, October 24, 2006).

FACULTY PAPERS AND SEMINARS

KELBER cont:

Scaling Interconnects to Nanodimensions: *SRC Integrated Processing Sciences Program Review (Albany, NY, November 8, 2006).*

Control of Perovskite Surface/Interface Chemistry for Advanced NMV and Nanodevice Applications, *SRC Memory Review, (Yale University, October 5, 2006).*

Report on SRC-supported research, *SRC Metallization Program Review Albany, NY Oct.22, 2007.*

Cu electrodeposition on I-modified ruthenium Symposium on Surfactants in Electrochemistry, 58th Annual Meeting of the International Electrochemical Society, Banff, Canada Sept. 10, 2007.

Reactivity of alumina surfaces under non-UHV conditions *Seminar at the Department of Chemical Physics, Fritz Haber Institute of the Max Planck Society, Berlin, Germany August 23, 2007.*

Interfacial Chemistry of Interconnects: *Presentation at the Texas Instruments/SRC Program Review, Jan. 9-10, 2007.*

MARSHALL, J.:

"Carl Wilhelm Scheele," National ACS Meeting, San Diego CA, March 13, 2005.

Keynote and invited speaker for International Mineralogical Symposium, Rochester NY, April 14, 2005, "Discovery of the Elements in Important Minerals"

"Rediscovery of the Elements," invited lecturer at Blin College ACT2 workshop, Austin TX February 19 2005.

"The Periodic Table as a Basis for an Introductory Chemistry Course," Chem Ed Symposium, Southwest Regional ACS Meeting, October 20, 2006,

"Geology and Elemental Discovery Sites," invited lecturer for symposium at Yale University, New Haven CT, April 3-6, 2006.

"Charles James and other elemental discoveries," invited lecturer at University of New Hampshire, Durham NH, April 4, 2006.

"Elemental Discovery Sites," invited lecturer at Middlebury College, Middlebury VT, Oct 5, 2006.

"Rediscovery of the Elements," Texas Wesleyan University, Fort Worth TX, Oct 27, 2006.

Keynote and invited speaker for International ChemEd07, Denton TX, July 29, 2007, "Rediscovery of the Elements in Europe."

American Chemical Society section meeting, November 15, 2007, Texas Wesleyan University, "Finale of Rediscovery of the Elements" project.

"Rediscovery of the Elements," Letourneau University, Longview TX, February 22, 2007.

"Rediscovery of the Elements," Arizona State University, Phoenix AZ, March 21, 2007.

FACULTY PAPERS AND SEMINARS

MARSHALL, J. cont:

"Rediscovery of the Elements," Texas Woman's University, Denton TX March 30, 2007

MARSHALL, P.:

229th National American Chemical Society Meeting, San Diego, CA: "Kinetics Study of the Reaction between Sulfur Dioxide and Atomic Hydrogen" B.P. Morgan and P. Marshall. March 2005 (poster).

4th Joint Meeting of the U.S. sections of the Combustion Institute, Philadelphia, PA: "Mechanisms of Radical Removal by SO₂" P. Glarborg and P. Marshall. March 2005 (paper).

6th International Conference on Chemical Kinetics, Gaithersburg, MD: "Kinetics and Thermochemistry of the Addition of Atomic Chlorine to Acetylene" Y. Gao, I.M. Alecu, P-C. Hsieh, A.P. McLeod, C.B. McLeod, M.W. Jones and P. Marshall. July 2005 (paper).

6th International Conference on Chemical Kinetics, Gaithersburg, MD: "The Reaction of OH with Acetaldehyde and Deuterated Acetaldehyde: Further Insights into the Reaction Mechanism at both Low and Elevated Temperatures" P.H. Taylor, T. Yamada, A. Goumri and P. Marshall. July 2005 (poster).

6th International Conference on Chemical Kinetics, Gaithersburg, MD: "Spin-Forbidden Association Reactions in Sulfur Chemistry: Comparison of O + SO₂ and S + NH₃ Addition with Spin-Allowed S + NO Recombination" A. Goumri, J. Naidoo, Y. Gao, D.D. Shao and P. Marshall. July 2005 (paper).

University of North Texas (Materials Dept), Denton, TX: "Studies of Combustion: Theory and Experiments", November 2005.

39th Annual Meeting-in-Miniature, American Chemical Society Dallas-Fort Worth Section, Texas Woman's University, Denton, TX: "The Gas-Phase Reaction of Phenyl Radicals with Hydrogen Chloride" D. Hu, I.M. Alecu, P-C. Hsieh, A. Ors, J. Sand, Y. Gao and P. Marshall. April 2006 (paper).

39th Annual Meeting-in-Miniature, American Chemical Society Dallas-Fort Worth Section, Texas Woman's University, Denton, TX: "Kinetics of the Addition of Atomic Chlorine to C₂H₄ and C₆H₆" C. Wu, J. Sand, I.M. Alecu, P-C. Hsieh, A. McLeod, K. Destefani, J. Kumar, P. Shanthakumar, Y. Gao and P. Marshall. April 2006 (paper).

39th Annual Meeting-in-Miniature, American Chemical Society Dallas-Fort Worth Section, Texas Woman's University, Denton, TX: "Kinetics and Thermochemistry of the Addition of Hydrogen Atoms to Acetylene" P.V. Khade, Y. Gao, C. McLeod, A. Ganesh, I.M. Alecu and P. Marshall. April 2006 (paper).

39th Annual Meeting-in-Miniature, American Chemical Society Dallas-Fort Worth Section, Texas Woman's University, Denton, TX: "Kinetics and Thermochemistry of the Addition of Atomic Chlorine to Acetylene" A. McLeod, Y. Gao, I.M. Alecu, P-C. Hsieh, C. McLeod, M. Jones and P. Marshall. April 2006 (paper).

FACULTY PAPERS AND SEMINARS

MARSHALL, P. cont:

7th Informal Conference on Atmospheric and Molecular Science, Helsingør, Denmark: "Computational Studies of Nitrogen Compounds in the Atmosphere" P. Marshall. June 2006 (paper).

31st International Symposium on Combustion, Heidelberg, Germany: "Kinetics and Thermochemistry of the Addition of Atomic Chlorine to Acetylene", Y. Gao, I.M. Alecu, P.-C. Hsieh, A. McLeod, C. McLeod, M. Jones and P. Marshall. August 2006 (paper).

31st International Symposium on Combustion, Heidelberg, Germany: "Mechanisms of radical removal by SO₂", C.L. Rasmussen, P. Glarborg and P. Marshall. August 2006 (paper).

31st International Symposium on Combustion, Heidelberg, Germany: "Metal ion-molecule kinetics at combustion temperatures: The reaction of Ca⁺ with O₂", B. Cosic, A. Ermoline, A. Fontijn and P. Marshall. August 2006 (paper).

Southwest Regional American Chemical Society Meeting, Houston Texas: "Computational Studies of Some Atmospheric Chemistry of Iodine Oxides", P. Marshall. October 2006 (paper).

MASON:

Professional Development Day for Ft. Worth Independent School District at Southwest High School, JCE Activities, accompanied by Christina Forsbach, January 28, 2005.

Chem Joules, presented with Alan Lowe. Bandera Elementary School (invited by Denise Knibbe), Bandera, TX, February 1, 2005.

Campus Chemistry, University of North Texas, Denton, TX, February 12, 2005 Girl Scouts Event. Invited by Theresa Overall, College of Education, University of North Texas to help the Girl Scouts complete their Interest project in science and technology. (Organized by Michael Gallia and accompanied by Christina Forsbach, Alan Lowe, Ben Mintz, Zach McGarrah, Chris Putnam, and Neil Stewart).

The Magic Chemistry Ride, presented with Christina Forsbach, Ben Mintz, Alan Lowe (invited by the San Marcos Chapter of the Mexican American Engineers and Scientists) for 300 sixth graders San Marcos Independent School District, Texas State University, San Marcos, TX, March 5, 2005.

Invited by the Ft. Worth Regional Science Fair for the Mean Green Chemistry Demo Team to perform for the awards presentation, March 23, 2005, at the Performing Arts Center. (Organized by Richard Rafe and accompanied by Christina Forsbach, Ben Mintz, Chris Putnam, Neil Stewart, Kimberly Destafani, and Marci Cross.)

National Science Teacher Association National Meeting, Session 11, Adam's Mark Hotel, Dallas, TX, April 1, 2005: "NSTA High School Chemistry Share Session" Science Teaching (Chemistry). Steve Long, Rogers HS, Rogers, Ark (presider) with Paul Price, Trinity Valley School, Ft. Worth, TX; Kurt Wagner, South Carolina Governor's School for Science and Mathematics, Hartsville, SC; and Jesse D. Bernstein, Hawken School, Gates Mills, OH.

FACULTY PAPERS AND SEMINARS

MASON cont:

Guest lecturer, accompanied by Chris Putnam, May 6, 2005, The University of Texas at Austin, Dr. Donna Lyon's three, freshmen chemistry classes. (Set up by Debra Smith from UT.)

The Magic Chemistry Ride, presented with Kim Destefani. Bandera High School (invited by Michelle Barnett), Bandera, TX, May 16, 2005.

The Magic Chemistry Ride, presented with Kim Destefani. Bandera High School (invited by Michelle Barnett), Bandera, TX, May 16, 2005.

Magic Chemistry Ride, presented with Chris Putnam and David Melton, University of North Texas, Denton, TX, Center for Outreach and Community Involvement, UNT G-Force & Champions of Equity and Diversity, Northside High, PATHS Program, May 20, 2005.

Zach McGarrah, Marco Rodriguez, Neil Stewart, Cathy Molina, Pouya Kohandani, Elizabeth Frank, and Anna Bayless. Presenter, "Using the *Journal* as a Resource," May 24, 2005, Rutgers University, American Chemical Society Mid-Atlantic Regional Meeting (MARM), Newark, NJ. (Invited by Diane Krone.)

Presenter, "Using the *Journal* as a Resource," May 24, 2005, Rutgers University, American Chemical Society Mid-Atlantic Regional Meeting (MARM), Newark, NJ. (Invited by Diane Krone.)

Kitchen Chemistry, Chautauqua, Waxahachie, TX, September 24, 2005, accompanied by Kimberly Destefani, Cathy Molina, Denise Karowski. (Invited by Kirk Hunter.)

Chemistry Presentation for the Center for Outreach and Community Involvement, UNT G-Force & Champions of Equity and Diversity, North Dallas High PATHS Program presented with Kimberly Destefani, Zach McGarrah, Matt Powe, and assisted by Marco Rodriguez, September 30, 2005.

Magic Chemistry Ride with Toys at The Science Place, Fair Park Dallas, October 23, 2005. Accompanied by the Mean Green Chemistry Demo Team with Kimberly Destefani, Christina Mintz, Ben Mintz, Zach McGarrah, Marco Rodriguez, Cathy Molina, and Darrin Williams (on sound).

Magic Chemistry Ride at Southwestern Medical School at The University of Texas Health Science Center in Dallas, November 10, 2005. Invited by Dr. Lehman Marks from the Winston School for their annual ScienceFEST at Winston Science underwritten in part by the Dallas Mavericks, accompanied by the Mean Green Chemistry Demo Team with Kimberly Destefani,

Magic Chemistry Ride at Southwestern Medical School at The University of Texas Health Science Center in Dallas, November 10, 2005. Invited by Dr. Lehman Marks from the Winston School for their annual ScienceFEST at Winston Science underwritten in part by the Dallas.

Magic Chemistry Ride at Peak Elementary School, Dallas, TX, December 12, 2005, accompanied by Kimberly Destefani and Marco Rodriguez.

Presenter, "An Education in Chemistry Using The Journal", January 14, 2006, Florida Southern University, American Chemical Society, Great Ideas in Chemistry Symposium, Lakeland FL. (Invited by George Sellers.)

FACULTY PAPERS AND SEMINARS

MASON cont:

Campus Chemistry, University of North Texas, Denton, TX, February 25, 2006 Girl Scouts Event. Invited by Theresa Overall, College of Education, University of North Texas to help the Girl Scouts complete their Interest Project in science and technology. (Organized by David Melton and accompanied by David Melton, Zach McGarrah, Neil Stewart, Marco Rodriguez, and Cathy Molina. Show prepared by Kimberly Destefani).

Magic Chemistry Ride, Keller High School, April 21, 2006, accompanied by Anna Bayless and Sammer Tekarli.

Magic Chemistry Ride, Trinity High School's Science Society, Bedford, TX, May 3, 2006, accompanied by Marco Rodriguez. and Eric Shute (invited by Renee Coffey and Lance Dewey.).

Invited by Tonia Walker, Project/Program Coordinator of the Science and Mathematics (SAM) Teacher Academy, to present a demonstration show on May 6, 2006 for over 100 5th and 6th grade students from Dallas Independent School District at the University of North Texas Dallas Campus. Accompanied by Kimberly Destefani.

Invited by the Ft. Worth Regional Science Fair for the Mean Green Chemistry Demo Team to perform for the awards presentation, March 7, 2006, at the Performing Arts Center. (Organized by Dr. Richard Rafes, Senior Vice President of Administrative Affairs and accompanied by Kimberly Destefani, Neil Stewart, Marco Rodriguez, Cathy Molina, and David Melton).

Invited by Alana Presley of the Elm Fork Education Center, Explorer's Camp, Chem₂Kids Camp, June 12-16, 2006, for 100 entering 3rd through 5th grade students from public, private and home school settings at the EESAT Building, University of North Texas.

The Mean Green Chemistry Demo Team presented the Magic Chemistry Ride, June 16, 2006 at 11:00 AM. Accompanied by members of the Chemistry 5820: Studies in Chemistry Education class, Summer 2006: Ashley Ayers, Christie Caldwell, Lance Dewey, Regina Gilbert, Theresa Harris, Carolyn Jacobsen, Andrea Jo, Diana McEwen, Cathy Molina, Jaime Noles, Doug Ogletree, Ziad Shaker, and John Thompson, as well as Kimberly Destefani and Marco Rodriguez.

Magic Chemistry Ride, Pilot Point Elementary School, Pilot Point, TX, July 25, 2006, accompanied by Kimberly Destefani.

Mean Green Chemistry Demo Team Presents: Everything is Built on Chemistry, September 25, 2006 at 6 PM, Dallas, TX, accompanied by Christina Mintz, Kimberly Destefani, Cathy Molina, and Claudia Gallegos at the Hall of State, The State Fair of Texas for ANETEMS and the Society of Hispanic Professional Engineers (SHPE) (contact Rafaela Schwann).

Mean Green Chemistry Demo Team Presents, September 28, 2006, Dallas, TX, accompanied by Kimberly Destefani, Cathy Molina, Christina Mintz, and Claudia Gallegos, Hall of State, The State Fair of Texas for League of United Latin American Citizens (LULAC) support by ExxonMobil Corporation (Thurman Bell, Program Officer, Global Community Relations).

Seminar speaker, "Current Issues in Teaching General Chemistry," October 13, 2006 at Southeastern Louisiana State University, Hammond, LA (Invited by David Norwood.).

Mean Green Chemistry Demo Team Presents: Everything is Built on Chemistry, October 15, 2006 at 1 and 3 PM, Dallas, TX, accompanied by Cathy Molina, Christina Mintz, Ben Mintz,

FACULTY PAPERS AND SEMINARS

MASON cont:

Presenter with Cathy Molina, "Demos with a targeted concept in mind" workshop at the American Chemical Society Southwest Regional Meeting, Houston, TX, October 20, 2006.

Presenter, "Who are general chemistry students" at the American Chemical Society Southwest Regional Meeting, Houston, TX, October 20, 2006.

EI-Ashmawy; D. Mason. "General chemistry topic coverage comparison between community colleges and universities in the United States" at the American Chemical Society Southwest Regional Meeting, Houston, TX, October 21, 2006.

Mean Green Chemistry Demo Team Presents: Everything is Built on Chemistry, October 25, 2006 at 1 PM, Dallas, TX, accompanied by Cathy Molina, Christina Mintz, Marco Rodriguez, and Dr. Bob Shelton, The State Fair of Texas The Science Place.

Invited to present a chemical demonstration show with the Mean Green Chemistry Demo Team at the National Convention of the Society of Hispanic Professional Engineers (SHPE), Denver, CO. Two shows: January 11 and January 12, 2007. Team members included: Kimberly Destefani, Jo King, and Dr. Bob Shelton (contact: Rafaela Schwann).

Invited by Dr. Teresa Golden to do a demo show for the Home Schoolers' Association January 23 and 30, 2007 at University of North Texas; accompanied by Kimberly Destefani (January 23) and Josh Wilson, Marco Rodriguez and Kimberly Destefani (January 30).

Magic Chemistry Ride, Bandera Elementary School (invited by Denise Knibbe), Bandera, TX, February 1, 2007.

Campus Chemistry, University of North Texas, Denton, TX, February 24, 2007 Girl Scouts Event. Invited by Theresa Overall, College of Education, University of North Texas to help the Girl Scouts complete their Interest Project in science and technology.

Magic Chemistry Ride, Trinity High School's Science Society, Bedford, TX, April 10, 2007 (invited by Renee Coffey.)

Mean Green Chemistry Demo Team with Kris Sherman and Denise Karowski presented on June 13, 2007 to the Frontier Trails District, Longhorn Council Cub Scout Day Camp 2007: Dinosaur Safari at Hills and Hollows Scout Camp in Denton, Texas.

Invited by Joe Ferrara, Science Coordinator, the Mean Green Chemistry Demo Team with Dr. Bob Shelton presented "Engaging Students with the Mean Green Top 10" on August 23, 2007 to the Ft. Worth Independent School District's Professional Development Day at Southwest High School in Ft. Worth, Texas.

Invited to present a chemical demonstration show with the Mean Green Chemistry Demo Team at the "Reaching for the Stars" program for disadvantaged eighth graders in Stockton, CA at the University of the Pacific by Astronauts Jose Hernandez and Dr. Bobby Satcher and the Society of Hispanic Professional Engineers (SHPE) on September 28, 2007. Team members: Dr. Bob Shelton and Carla Smith (contact: Rafaela Schwann).

FACULTY PAPERS AND SEMINARS

MASON cont:

Invited to present a chemical demonstration show with the Mean Green Chemistry Demo Team at the "Reaching for the Stars" program for disadvantaged eighth graders in Stockton, CA at the University of the Pacific by Astronauts Jose Hernandez and Dr. Bobby Satcher and the Society of Hispanic Professional Engineers (SHPE) on September 28, 2007. Team members: Dr. Bob Shelton and Carla Smith (contact: Rafaela Schwann).

Mean Green Chemistry Demo Team Presents: The Many Phases of Chemistry, October 13, 2007 at 11 AM, Dallas, TX, accompanied by Christina Mintz, Cathy Molina, Dr. Bob Shelton, Carla Smith, and Ryan Prnka at the Hall of State, The State Fair of Texas for League of United Latin American Citizens (LULAC), Society of Hispanic Professional Engineers (SHPE), and ExxonMobil (contact: Rafaela Schwann).

Invited by Tara Hatford, the Mean Green Chemistry Demo Team with Dr. Bob Shelton, David Melton, Jerry Monk, Lea Works presented "The Many Phases of Chemistry" on October 15, 2007 at 8 AM to Blanche Dodd Intermediate School in Krum, TX.

Invited to present a chemical demonstration show with the Mean Green Chemistry Demo Team at the National Convention of the Society of Hispanic Professional Engineers (SHPE), at the Marriott and Sheridan Downtown Hotels in Philadelphia, PA. Two shows: November 1 and November 2, 2007. Team members: Dr. Bob Shelton, Christina Mintz, and Cathy Molina (contacts: Rafaela Schwann and Karina Jaime).

The Many Phases of Chemistry at Southwestern Medical School at The University of Texas Health Science Center in Dallas, November 8, 2007. Invited by Dr. Lehman Marks from the Winston School for their annual ScienceFEST at Winston Science underwritten in part by the Dallas Mavericks, accompanied by the Mean Green Chemistry Demo Team with Dr. Bob Shelton, Christina and Ben Mintz, Cathy Molina, Stuart Spiker, Kelly Tierney, and Holly VanHouten.

Invited by Carmen Fies and Kathleen Mittag to present with Dr. Bob Shelton CHEM IS TRY to a group of 20 inservice science and mathematics teachers at The University of Texas at San Antonio, December 10, 2007.

OMARY:

Fackler, J. P.; Mohamed, A. A.; Abdou, H. E.; Omary, M. A.; Grant, T. A.; Lupez-Lupez-de-Luzuriaga, J. M. "Photophysical properties of gold(I) compounds", *229th ACS National Meeting*, San Diego, California, March 13-17, 2005, INOR-002.

Haneline, M. R.; Burress, C.; Taylor, T.; El-bjeirami, O.; Tsunoda, M.; Omary, M. A.; Gabbai, F. P. "Heavy atom effects in complexes formed by [*o*-C₆F₄Hg]₃ with unsaturated substrates", *229th ACS National Meeting*, San Diego, California, March 13-17, 2005, INOR-085.

Menke, J. L.; Chen, W. H.; Smucker, B. W.; Omary, M. A. "Fine- and coarse-tuning of the absorption energies of [Pt(triimine)X]Y complexes", *229th American Chemical Society National Meeting*, San Diego, California, March 13-17, 2005, INOR-130.

Elbjeirami, O.; Burress, C. N.; Hogue, S. E.; Haneline, M. R.; Gabbai, F. P.; Omary, M. A. "Photophysics of arene-decorated poly(propyleneimine) dendrimers and their adducts with metal cations and Lewis acids" *229th ACS National Meeting*, San Diego, California, March 13-17, 2005, INOR-379.

FACULTY PAPERS AND SEMINARS

OMARY cont:

Guo, Z.; Rawashdeh-Omary, M. A.; Omary, M. A.; Patterson, H. H. "Oligomerization, exciplex tuning, and energy transfer in dicyano complexes of Ag(I) and Au(I)" *229th ACS National Meeting*, San Diego, California, March 13-17, 2005, INOR-499.

El-bjeirami, O.; Omary, M. A.; Yockel, S.; Wilson, A. K. "Structure-luminescence relationship of neutral LAuX complexes (L=CO or RNC; X=halide)" *229th ACS National Meeting*, San Diego, California, March 13-17, 2005, INOR-730.

Hudson, J. M.; Omary, M. A.; Reinheimer, E. W.; Dunbar, K. R. "Electronic spectroscopy of d⁸ (diimine)(dithiolate) complexes and their potential use as solar cell dyes", *229th ACS National Meeting*, San Diego, California, March 13-17, 2005, INOR-836.

Burruss, C. N.; Gabbai, F. P.; Elbjeirami, O.; Omary, M. A. "Heavy atom-induced phosphorescence of organic materials using trimeric perfluoro-ortho-triphenylene", *229th ACS National Meeting*, San Diego, California, March 13-17, 2005, INOR-941.

Larkin, S.; Bruce, A. E.; Bruce, M. R. M.; Makarov, M. V.; Lemenosvsii, D. A.; Dyadchenko, V. P.; Elbjeirami, O.; Omary, M. A. "Structural and Meosgenic Properties of Gold(I) Thiolate and Isocyanide Complexes", *9th International Symposium on Metallomesogens*, Lake Arrowhead, California, May 31 to June 3, 2005.

Omary, M. A.; Elbjeirami, O.; Larkin, S.; Bruce, M. R. M. Bruce, A. E. "Genuine Role of Auophilic Bonding on Luminescence and Meosgenic Properties of "Simple" Isonitrile Complexes", *9th International Symposium on Metallomesogens*, Lake Arrowhead, California, May 31 to June 3, 2005.

Yang, C.; Omary, M. A. "Photonic Processes in Closed-Shell and Lanthanide Complexes in Macromolecules", *16th International Symposium on the Photochemistry and Photophysics of Coordination Compounds*, Pacific Grove, California, July 2-6, 2005.

Omary, M. A. "Photonic Processes in Closed-Shell and Lanthanide Complexes in Macromolecules", *16th International Symposium on the Photochemistry and Photophysics of Coordination Compounds*, Pacific Grove, California, July 2-6, 2005. **FEATURED INVITED SPEAKER** (see: <http://www.scu.edu/chemistry/isppcc16/circular.pdf>).

Omary, M. A. "Custom-making Phosphors for Solid-State Lighting via Photoinduced Jahn-Teller Distortions, Heavy-atom Effect, and Energy Transfer", *International Symposium on Excited State Processes in Electronic and Bio Nanomaterials*, Los Alamos National Laboratory, Santa Fe, New Mexico, August 8-11 2005. **FEATURED INVITED SPEAKER** (see: <http://cnls.lanl.gov/~esp/esp2005.html>).

Determan, J.; Yockel, S.; Grimes, T.; Omary, M. A.; Bagus, P. S.; Cundari, T. R.; Wilson, A. K. "Transition metal chemistry: Towards accurate energetic description" *230th ACS National Meeting*, Washington, D.C., August 28-Sept. 1, 2005, PHYS 8.

Patterson, H. H.; Colis, J. C. F.; Richards, C.; Omary, M. A. "Optical memory of single crystals of dicyanoargentate(I)" *230th ACS National Meeting*, Washington, D.C., August 28-Sept. 1, 2005, INOR 227.

FACULTY PAPERS AND SEMINARS

OMARY cont:

Omary, M. A.; Yang, C. "Macromolecular photophysics in lanthanide and closed-shell transition-metal complexes" *230th ACS National Meeting*, Washington, D.C., August 28-Sept. 1, 2005, INOR 541.

Omary, M. A. "Dramatic phosphorescence tuning by multi-faceted strategies" *230th ACS National Meeting*, Washington, D.C., August 28-Sept. 1, 2005, INOR 226.

University of Texas at Austin, "Brightly-Phosphorescent and Strongly-Absorbing Coinage Metal Complexes: Fundamentals and Potential Applications for Light-Emitting Diodes and Solar Energy Conversion", November 8, 2006.

Symposium on Chemical Utilization of Solar Energy, "Polyimine d^8 donor complexes and adducts with organic acceptors for optoelectronic applications", 62nd Southwest Regional Meeting of the American Chemical Society, Houston Westchase Marriott Hotel, Houston, Texas, October 20-21, 2006.

Jordan University of Science and Technology, "Brightly-Phosphorescent and Strongly-Absorbing Coinage Metal Complexes: Fundamentals and Potential Applications for Light-Emitting Diodes and Solar Energy Conversion", Irbid, Jordan, July 18, 2006.

Jordan University, "Brightly-Phosphorescent and Strongly-Absorbing Coinage Metal Complexes: Fundamentals and Potential Applications for Light-Emitting Diodes and Solar Energy Conversion", Amman, Jordan, July 13, 2006.

Yarmouk University, "Brightly-Phosphorescent and Strongly-Absorbing Coinage Metal Complexes: Fundamentals and Potential Applications for Light-Emitting Diodes and Solar Energy Conversion", Irbid, Jordan, July 10, 2006.

17th Inter-American Photochemical Society Meeting, "Bright, Tunable Coinage Metal Phosphors", Salvador, Bahia, Brazil, June 12, 2006. *AWARD TALK (2006 I-APS Young Investigator Award)*.

Georgia Institute of Technology *Cherry Emerson Seminar Series*, "Brightly-Phosphorescent and Strongly-Absorbing Coinage Metal Complexes: Fundamentals and Potential Applications for Light-Emitting Diodes and Solar Energy Conversion", Atlanta, Georgia, February 21, 2006.

JSPS-UNT Joint International Symposium on Nanoscale Materials for Optoelectronics and Biotechnology, "Fundamental and Applied Photonic Studies of Phosphorescent Small- and Macro-Molecules", University of North Texas, Denton, Texas, February 1-2, 2006.

University of North Texas-Department of Materials Science and Engineering, "Metal-Organic Nanomaterials for Energy-Saving Applications", November 14, 2007.

NanoTX'07, "Metal-Organic Nanomaterials for Energy-Saving Applications", Alan MacDiarmid Memorial Energy Summit 2, NanoTX'07 meeting, October 3, 2007, Dallas, TX.

Texas Woman's University, "Introduction of Inorganic Chemistry and Spectroscopy Into Biocompatible Hydrogels and Polymers: A New Concept Verified with a World of Potential Biomedical Applications", September 14, 2007.

Illuminating Molecules, "Phosphorescent OLEDs and PLEDs Based on d^{10} Molecular Materials", An international symposium during the 39th Central Regional American Chemical Society Meeting, Covington, Kentucky, May 20-23, 2007, CRM-491.

FACULTY PAPERS AND SEMINARS

OMARY cont:

Nanomaterials Application Center Nanotechnology Colloquium Series, "Molecular Metal-Organic Materials Made Smart for Energy-Saving Applications", April 16, 2007.

Seifert, Z. J.; Nichols, A. L.; Chen, W.-H.; Omary, M. A.; Smucker, B. W. "Synthesis and Characterization of (μ -(4',4''-(1,4-Phenylene)Bis(2,2':6',2''-terpyridine)))Bis(acetonitrileplatinum(II) Tetrafluoroborate", 63rd Southwest Regional Meeting of the American Chemical Society, Lubbock, TX, United States, November 4-7, 2007, GEN-226.

Marpu, S.; Hu, Z.; Omary, M. A. "Phosphorescent, surfactant-free chitosan nanoparticles", *234th ACS National Meeting*, Boston, MA, August 19-23, 2007, PMSE-361; *PMSE Preprints* 2007, 97, 638.

Determan, J.; Sinha, P.; Omary, M. A.; Wilson, A. K. "Excited state chemical bonding and spectroscopy of inert metals and noble gases", *234th ACS National Meeting*, Boston, MA, August 19-23, 2007, PHYS-201.

Marpu, S.; Yang, C.; Hu, Z.; Omary, M. A. "Phosphorescent heavy metal ion sensors based on water-soluble, biodegradable Chitosan polymer hydrogels", *234th ACS National Meeting*, Boston, MA, August 19-23, 2007, INOR-567.

Omary, M. A.; Elbjeirami, O.; McDougald, R.; Getto, J.; Lee, T. H.; Park, S. Y.; Kim, M. J. "Stable gold nanoparticles by photolysis of simple gold(I) complexes", *234th ACS National Meeting*, Boston, MA, August 19-23, 2007, INOR-366.

Lu, H.; Hurley, S.; Li, X.; Rawashdeh-Omary, M. A.; Patterson, H. H.; Omary, M. A. "Temperature-dependent optical memory for dicyano Ag(I) complexes", *234th ACS National Meeting*, Boston, MA, August 19-23, 2007, INOR-321.

McDougald, R.; Destefani, K.; Deyoung, S.; Eastlund, M.; Thompson, K.; Taylor, L.; Whitten, J.; Browning, C.; Hudson, J. M.; Omary, M. A. "'Research for the Classroom BIG PICTURE Project": Photoinduced Jahn-Teller distortions in 4-coordinate Ag(I) complexes", *234th ACS National Meeting*, Boston, MA, August 19-23, 2007, INOR-320.

McDougald, R.; Kerr, K.; Martine, B.; DeLeon, V.; Determan, J.; Omary, M. A. "'Research for the Classroom BIG PICTURE Project": New copper clusters that exhibit luminescence thermochromism", *234th ACS National Meeting*, Boston, MA, August 19-23, 2007, INOR-319.

Marpu, S.; Elbjeirami, O.; Park, S. Y.; Hu, Z.; Kim, M. J.; Omary, M. A. "Gold and silver nanoparticles stabilized in polymer hydrogels", *234th ACS National Meeting*, Boston, MA, August 19-23, 2007, INOR-263.

Chen, W. -H.; Hudson, J. M.; Katz, J.; Lewis, N. S.; Omary, M. A. "Dye-sensitized solar cells based on square-planar d^8 donor complexes without and with organic acceptors", *234th ACS National Meeting*, Boston, MA, August 19-23, 2007, INOR-161.

Martinez, H.; Phan, K.; Kwon, H. -Won; Lucente-Schultz, R.; Hatcher, J.; Chen, W. -H.; Hudson, J. M.; Omary, M. A. "'Research for the Classroom BIG PICTURE Project": Tuning the charge transfer absorption bands of common ruthenium solar cell dyes by selected S-donor co-ligands", *234th ACS National Meeting*, Boston, MA, August 19-23, 2007, INOR-155.

FACULTY PAPERS AND SEMINARS

OMARY cont:

Omary, M. A. "Polynuclear coinage metal complexes: One class of molecular materials with numerous fundamental advances and multifaceted applications", *234th ACS National Meeting*, Boston, MA, August 19-23, 2007, INOR-095.

Omary, M. A.; Yang, C.; Wang, X. "Macrocyclic isolobal analogy", *234th ACS National Meeting*, Boston, MA, August 19-23, 2007, INOR-016.

Omary, M. A. "Phosphorescent OLEDs and PLEDs Based on d^{10} Molecular Materials", *"Illuminating Molecules" Symposium, 39th Central Regional American Chemical Society Meeting*, Covington, Kentucky, May 20-23, 2007, CRM-491.

Smucker, B. W.; Batrice, R. J.; Chen, W. -H.; Menke, J. L.; Omary, M. A. "Tuning the electronic energies of novel μ -benzenedithiol-bis(triimineplatinum(II)) complexes", *233rd ACS National Meeting*, Chicago, Illinois, March 25-29, 2007, INOR-715.

RICHMOND:

"Synthesis and Reactivity Studies of $Os_3(CO)_{10}$ (diphosphine) Clusters: Ligand Isomerization, Orthometalation, and Benzene Formation in $Os_3(CO)_{10}(P-P)$ Clusters," Texas Christian University, Fort Worth, TX; January 25, 2005.

"Synthesis and Reactivity Studies of $Os_3(CO)_{10}$ (diphosphine) Clusters: Ligand Isomerization, Orthometalation, and Benzene Formation in $Os_3(CO)_{10}(P-P)$ Clusters," Oklahoma Baptist University, Shawnee, OK; February 7, 2005.

"Synthesis and Reactivity Studies of $Os_3(CO)_{10}$ (diphosphine) Clusters: Ligand Isomerization, Orthometalation, and Benzene Formation in $Os_3(CO)_{10}(P-P)$ Clusters," University of Houston, Houston, TX; February 19, 2005.

"Synthesis and Reactivity Studies of $Os_3(CO)_{10}$ (diphosphine) Clusters: Ligand Isomerization, Orthometalation, and Benzene Formation in $Os_3(CO)_{10}(P-P)$ Clusters," University of New Hampshire, Durham, NH; March 22, 2005.

"Synthesis and Reactivity Studies of $Os_3(CO)_{10}$ (diphosphine) Clusters: Ligand Isomerization, Orthometalation, and Benzene Formation in $Os_3(CO)_{10}(P-P)$ Clusters," University of Vermont, Burlington, VT; March 24, 2005.

"Substitution Chemistry in the Cluster $PhCCO_3(CO)_3(\mu-CO)Cp_2$ with Unsaturated Diphosphine Ligands. Redox Properties and Molecular Structure of $PhCCO_3(CO)(\mu-CO)[(Z)-Ph_2PCH=CHPPH_2]Cp_2$," S. Kandala, M. G. Richmond, and W. H. Watson, 38th Annual ACS Meeting-in-Miniature (ACS abstract # G-3), Arlington, TX; April 2005.

"Synthesis and Characterization of Triosmium Clusters Containing Rigid Bidentate Phosphine Ligands: Mechanistic Study on the Isomerization Reaction Involving Bridging and Chelating Ligand Coordination Modes," G. Wu, W. H. Watson, A. Strugaskiy, and M. G. Richmond, 38th Annual ACS Meeting-in-Miniature (ACS abstract # G-5, Arlington, TX; April 2005.

FACULTY PAPERS AND SEMINARS

RICHMOND cont:

"Metallization of Surface Silicon Using Dinuclear Ruthenium Carbonyl Compounds and Metal Clusters. Anchoring of Ruthenium to a Si(111) Surface Through Covalent Ru-Si Bonding and Formation of Well-behaved Monolayers," P. Nalla, S.-H. Huang, Y. Zhang, O. Chyan, M. G. Richmond, M. El Bouanani, 38th Annual ACS Meeting-in-Miniature (ACS abstract # G-7), Arlington, TX; April 2005.

"Synthesis and Reactivity Studies of $\text{Os}_3(\text{CO})_{10}$ (diphosphine) Clusters: Ligand Isomerization, Orthometalation, and Benzyne Formation in $\text{Os}_3(\text{CO})_{10}$ (P-P) Clusters," University of Georgia, Athens, GA; May 2, 2005.

"Reaction of 2,3-Bis(methylthio)pyrrolo[1,2-a]benzimidazol-1-one with $\text{BrRe}(\text{CO})_3(\text{THF})_2$. X-ray Diffraction Structure, Redox Chemistry, and Luminescence Behavior of *fac*- $\text{BrRe}(\text{CO})_3\{N,S\}$ -2,3-bis(methylthio)pyrrolo[1,2-a]benzimidazol-1-one," G. Wu, D. Glass, W. H. Watson, D. Wiedenfeld, M. G. Richmond, 60th Northwest Regional Meeting (ACS abstract #42), Fairbanks, AK; June 2005.

"The Use of Emission Spectroscopy to Determine Electron-transfer Rates and to Characterize the Excited States of Ligands and Metal Complexes," D. Glass, D. Wiedenfeld, M. Minton, M. G. Richmond, G. Wu, 60th Northwest Regional Meeting (ACS abstract #52), Fairbanks, AK; June 2005.

"Diphosphine Isomerization, C-H and P-C Bond Cleavage Reactivity in the Triosmium Cluster $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$: Kinetic and Isotope Data for Reversible Orthometalation and X-ray Structures of the Bridging and Chelating Isomers of $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$ and the Benzyne-substituted Cluster $\text{HOs}_3(\text{CO})_8(\mu_3\text{-C}_6\text{H}_4)[\mu_2, \eta^1\text{-PPhC=C(PPh}_2\text{)C(O)CH}_2\text{C(O)}]$," Baylor University, Waco, TX; September 2, 2005.

"Diphosphine Isomerization, C-H and P-C Bond Cleavage Reactivity in the Triosmium Cluster $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$: Kinetic and Isotope Data for Reversible Orthometalation and X-ray Structures of the Bridging and Chelating Isomers of $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$ and the Benzyne-substituted Cluster $\text{HOs}_3(\text{CO})_8(\mu_3\text{-C}_6\text{H}_4)[\mu_2, \eta^1\text{-PPhC=C(PPh}_2\text{)C(O)CH}_2\text{C(O)}]$," University of Notre Dame, Southbend, IN; September 9, 2005.

"Diphosphine Isomerization, C-H and P-C Bond Cleavage Reactivity in the Triosmium Cluster $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$: Kinetic and Isotope Data for Reversible Orthometalation and X-ray Structures of the Bridging and Chelating Isomers of $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$ and the Benzyne-substituted Cluster $\text{HOs}_3(\text{CO})_8(\mu_3\text{-C}_6\text{H}_4)[\mu_2, \eta^1\text{-PPhC=C(PPh}_2\text{)C(O)CH}_2\text{C(O)}]$," University of Toledo, Toledo, OH; September 12, 2005.

"Phosphine Ligand Activation Studies at Polynuclear Osmium Clusters: Ligand Isomerization, Orthometalation, and Benzyne Formation Sequences at Os_3 Clusters," Case Western Reserve University, Cleveland, OH; October 13, 2005.

"Diphosphine Isomerization, C-H and P-C Bond Cleavage Reactivity in the Triosmium Cluster $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$: Kinetic and Isotope Data for Reversible Orthometalation and X-ray Structures of the Bridging and Chelating Isomers of $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$ and the Benzyne-substituted Cluster $\text{HOs}_3(\text{CO})_8(\mu_3\text{-C}_6\text{H}_4)[\mu_2, \eta^1\text{-PPhC=C(PPh}_2\text{)C(O)CH}_2\text{C(O)}]$," Cleveland State University, Cleveland, OH; October 14, 2005.

FACULTY PAPERS AND SEMINARS

RICHMOND cont:

"Diphosphine Isomerization, C-H and P-C Bond Cleavage Reactivity in the Triosmium Cluster $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$: Kinetic and Isotope Data for Reversible Orthometalation and X-ray Structures of the Bridging and Chelating Isomers of $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$ and the Benzyne-substituted Cluster $\text{HOs}_3(\text{CO})_8(\mu_3\text{-C}_6\text{H}_4)[\mu_2, \eta^1\text{-PPhC=C(PPh}_2\text{)C(O)CH}_2\text{C(O)}]$," University of South Carolina, Columbia, SC; February 8, 2006.

"Diphosphine Isomerization, C-H and P-C Bond Cleavage Reactivity in the Triosmium Cluster $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$: Kinetic and Isotope Data for Reversible Orthometalation and X-ray Structures of the Bridging and Chelating Isomers of $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$ and the Benzyne-substituted Cluster $\text{HOs}_3(\text{CO})_8(\mu_3\text{-C}_6\text{H}_4)[\mu_2, \eta^1\text{-PPhC=C(PPh}_2\text{)C(O)CH}_2\text{C(O)}]$," Clemson University, Clemson, SC; February 9, 2006.

"Diphosphine Isomerization and C-H and P-C Bond Cleavage Reactivity in the Triosmium Cluster $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$," University of North Carolina Charlotte, Charlotte, NC; March 22, 2006.

"Diphosphine Isomerization, C-H and P-C Bond Cleavage Reactivity in the Triosmium Cluster $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$: Kinetic and Isotope Data for Reversible Orthometalation and X-ray Structures of the Bridging and Chelating Isomers of $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$ and the Benzyne-substituted Cluster $\text{HOs}_3(\text{CO})_8(\mu_3\text{-C}_6\text{H}_4)[\mu_2, \eta^1\text{-PPhC=C(PPh}_2\text{)C(O)CH}_2\text{C(O)}]$," East Carolina University, Greenville, NC; March 24, 2006.

"Diphosphine Isomerization, C-H and P-C Bond Cleavage Reactivity in the Triosmium Cluster $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$: Kinetic and Isotope Data for Reversible Orthometalation and X-ray Structures of the Bridging and Chelating Isomers of $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$ and the Benzyne-substituted Cluster $\text{HOs}_3(\text{CO})_8(\mu_3\text{-C}_6\text{H}_4)[\mu_2, \eta^1\text{-PPhC=C(PPh}_2\text{)C(O)CH}_2\text{C(O)}]$," Montana State University, Bozeman, MT; April 7, 2006.

"Diphosphine Isomerization, C-H and P-C Bond Cleavage Reactivity in the Triosmium Cluster $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$: Kinetic and Isotope Data for Reversible Orthometalation and X-ray Structures of the Bridging and Chelating Isomers of $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$ and the Benzyne-substituted Cluster $\text{HOs}_3(\text{CO})_8(\mu_3\text{-C}_6\text{H}_4)[\mu_2, \eta^1\text{-PPhC=C(PPh}_2\text{)C(O)CH}_2\text{C(O)}]$," University of Montana, Missoula, MT; April 10, 2006.

"Diphosphine Isomerization and C-H and P-C Bond Cleavage Reactivity in the Triosmium Cluster $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$," San Diego State University, San Diego, CA; April 22, 2006.

"Ligand Substitution Reactivity Between the Tetrahedral Clusters $\text{PhCCo}_3(\text{CO})_9$ and $\text{HCCo}_3(\text{CO})_9$ and the Diphosphine Ligand 1,8-Bis(diphenylphosphino)naphthalene (dppn): Structural Evidence for the Facile Activation of the dppn Ligand and the Capping Methylidyne Ligand in $\text{HCCo}_3(\text{CO})_7(\text{dppn})$," S. Kandala, W. H. Watson, M. G. Richmond, 39th Annual ACS Meeting-in-Miniature (ACS abstract # G-17), Denton, TX; April 2006.

"Synthesis, Characterization, Isomerization Kinetics, and Ortho Metalation of Diphosphine-Substituted Triosmium Carbonyl Clusters, B. Poola, W. H. Watson, M. G. Richmond, 39th Annual ACS Meeting-in-Miniature (ACS abstract # G-18), Denton, TX; April 2006.

"Diphosphine Isomerization and C-H and P-C Bond Cleavage Reactivity in the Triosmium Cluster $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$," Nanyang Technological University, Singapore, March 1, 2007.

"Diphosphine Isomerization and C-H and P-C Bond Cleavage Reactivity in the Triosmium Cluster $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$," National University of Singapore, Singapore, March 2, 2007.

FACULTY PAPERS AND SEMINARS

RICHMOND cont:

"Diphosphine Isomerization and C-H and P-C Bond Cleavage Reactivity in the Triosmium Cluster $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$," The University of Sydney, Sydney, AU; March 7, 2007.

"Diphosphine Isomerization and C-H and P-C Bond Cleavage Reactivity in the Triosmium Cluster $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$," Australian National University, Canberra, AU; March 9, 2007.

"Diphosphine Isomerization and C-H and P-C Bond Cleavage Reactivity in the Triosmium Cluster $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$," The University of Adelaide, Adelaide, AU; March 15, 2007.

"Diphosphine Isomerization and C-H and P-C Bond Cleavage Reactivity in the Triosmium Cluster $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$," Canterbury University, Christchurch, NZ; March 19, 2007.

"Reversible Isomerization of a Diphosphine Ligand and Regiospecific C-H and P-C Bond Cleavage Reactivity in the Triosmium Cluster $\text{Os}_3(\text{CO})_{10}(\text{bmf})$," S. Kandala, M.G. Richmond, 233rd ACS National Meeting (ACS abstract # Inor 1212), Chicago, IL; March 2007.

"Diphosphine Isomerization and C-H and P-C Bond Cleavage Reactivity in the Triosmium Cluster $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$," Otago University, Dunedin, NZ; March 23, 2007.

"Diphosphine Isomerization and C-H and P-C Bond Cleavage Reactivity in the Triosmium Cluster $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$," The University of Auckland, Auckland, NZ; March 26, 2007.

"Diphosphine Ligand Isomerization and Bond-Activation Sequences in the Triosmium Cluster $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$," The State University New York at Fredonia, Fredonia, NY; April 13, 2007.

"Diphosphine Ligand Isomerization and Bond-Activation Sequences in the Triosmium Cluster $\text{Os}_3(\text{CO})_{10}(\text{bpcd})$," The University of North Texas, Denton, TX; April 27, 2007.

"Diphosphine Isomerization and C-H and P-C Bond Cleavage Reactivity in a Triosmium Cluster," Marshall University, Marshall, WV; September 21, 2007.

"Diphosphine Isomerization and C-H and P-C Bond Cleavage Reactivity in a Triosmium Cluster," Autonomous University of the State of Mexico at Toluca, Toluca, Mexico; October 10, 2007.

"Diphosphine Isomerization and Bond-Activation Sequences in a Triosmium Cluster," University of Texas at Austin, Austin, TX; December 5, 2007.

SCHWARTZ:

"Computational Studies of μ - and μ_4 - η^2 - Coordination Properties of A_2H_2 (A=C, Si, Ge, Sn and Pb) Ligands in Organometallic Chemistry" G. N. Srinivas and M. Schwartz Southwest Regional ACS Meeting, Houston, TX October 19, 2006.

"Molecular Dynamics Simulations of Carbon Nanotube/Polymer Composites" - Materials Directorate, Wright-Patterson AFB, August 21, 2006.

"Molecular Dynamics Simulations of Carbon Nanotube/Polymer Composites" Department of Chemistry, UNT, October 20, 2006.

FACULTY PAPERS AND SEMINARS

SCHWARTZ cont:

"Molecular Dynamics Studies of PNIPAM Polymer Brushes" Materials Directorate, Wright-Patterson AFB, August 17, 2007

"Dynamics of Hydrated Polymers: Effects of Hydration Level and Temperature", R. J. Berry, J. C. Moller and M. Schwartz 2007 Midwest SAMPE (Society for the Advancement of Material and Process Engineering), Cincinnati, OH, Oct. 29-Nov. 2, 2007.

SELBY:

Selby, T. D. "Exotic Organic and Organometallic Compounds." Presented to the Chemistry and Biochemistry Society (an undergraduate chemistry club). University of Texas at Arlington, Arlington, TX. March 7, 2005.

Selby, T. D. "Preparation of Highly Conjugated 'Flat' Dendrimers." Departmental Seminar. Department of Chemistry and Physics, Central Missouri State University. Warrensburg, Mo; April 22, 2005. (*Invited*)

Atim S.; Selby, T. D. "Organometallic Redox Arrays for Control of Spin Alignment." 38th DFW ACS Meeting-in-Miniature, University of Texas at Arlington, Arlington, TX; April 30, 2005.

Selby, T. D. "Organometallic Redox Arrays for Control of Spin Alignment." Departmental Seminar. Department of Chemistry and Biochemistry, University of Texas at Arlington, Arlington, TX; November 11, 2005. (*Invited*)

Selby, T. D.; Atim, S. "Organometallic Redox Arrays for Control of Spin Alignment. 57th Southeast/61st Southwest Joint Regional Meeting of the American Chemical Society. Memphis, TN; November 1-4, 2005. (Session Chair and Presented)

Selby, T. D. "Exotic Organic and Organometallic Redox Arrays." Department of Chemistry, Steven F. Austin State University, Nacogdoches, TX; October 26, 2006. (*Invited*)

Selby, T. D. "Exotic Organic and Organometallic Redox Arrays." Department of Chemistry, Sam Houston State University, Huntsville, TX; October 19, 2006. (*Invited*)

Selby, T. D. "Spin Alignment in Silicon-linked Ferrocenyl Redox Arrays." 10th International Conference on Molecular-based Magnets (ICMM), Victoria, B.C., Canada; August 13-17, 2006.

Kaipa, U.; Sinha, P.; Selby, T. D.; Omary, M. A. "Synthesis of Luminescence Studies of Three-Coordinate Gold(I) Dendritic Complexes." 39th DFW ACS Meeting-in-Miniature, Texas Woman's University, Denton, TX; April 29, 2006.

Selby, T. D. "Spin Alignment in Organic and Organometallic Redox Arrays." Department of Chemistry and Biochemistry, Baylor University, Waco, TX; March 31, 2006. (*Invited*).

Selby, T. D.; Atim, S. "Spin Alignment in Ferrocenylsilanes." 231st National Meeting of the American Chemical Society, Atlanta, GA; March 26-30, 2006.

FACULTY PAPERS AND SEMINARS

SELBY cont:

Selby, T. D. "Spin Alignment in Organic and Organometallic Redox Arrays." Department of Biology and Chemistry, Texas A&M International University, Laredo, TX; February 17, 2006. (*Invited*)

Jung, J.; Selby, T. D. "Progress Towards the Preparation of Flat Dendrimers." 40th DFW ACS Meeting-in-Miniature, Texas Christian University, Fort Worth, TX; April 28, 2007.

STOCKLAND:

"New Methodology in Microwave Assisted Carbon-Heteroatom Bond Forming Reactions," R. A. Stockland Jr. Presented at Oklahoma State University, October 25th, 2007.

"Microwave assisted carbon-heteroatom bond forming reactions," R. A. Stockland Jr. Presented at Arkansas State University, October 17th, 2007.

"New Methodology in Microwave Assisted Carbon-Heteroatom Bond Forming Reactions," R. A. Stockland Jr. Presented at Morehead State University, November 15th, 2007.

THOMAS:

Linda Stone-Ferrier and Ruthanne Thomas, Recruitment, Retention, and Development of Faculty, Council of Colleges of Arts and Sciences Seminar for Department Chairs, Denver, CO, July 14-15, 2005.

Kevin Railey and Ruthanne Thomas, The Chair as Academic Leader, Council of Colleges of Arts and Sciences Seminar for Department Chairs, Denver, CO, July 14-15, 2005.

Deirdre Royster and Ruthanne Thomas, Recruitment, Retention, and Development of Faculty, Council of Colleges of Arts and Sciences Seminar for Department Chairs, Towson, MD, October 6-8, 2005.

Kevin Railey and Ruthanne Thomas, The Chair as Academic Leader, Council of Colleges of Arts and Sciences Seminar for Department Chairs, Towson, MD, October 6-8, 2005

Deirdre Royster and Ruthanne Thomas, Recruitment, Retention, and Development of Faculty, Council of Colleges of Arts and Sciences Seminar for Department Chairs, Chicago, IL, July 13-15, 2006.

Risa Dickson and Ruthanne Thomas, The Chair as Academic Leader, Council of Colleges of Arts and Sciences Seminar for Department Chairs, Chicago, IL, July 13-15, 2006.

VERBECK:

Verbeck, G.F., "MEMS Assembled Ion Optical Devices: Current Technology and a Look at Advantages and Disadvantages." 6th Workshop on Harsh-Environment Mass Spectrometry, Cocoa Beach, FL, September 17-20, 2007.

FACULTY PAPERS AND SEMINARS

VERBECK cont:

Verbeck, G.F.; Geisberger, A.; Saini, R.; Tsui, K.; Ellis, M., "MEMS Assembled Devices: A Fresh Advance to Miniaturization and Assembly of Spectrometers and Electron and Ion Optics" Commercialization of Micro and Nano Systems Conference 2006, St. Petersburg, FL, August 28-31, 2006.

Verbeck, G.F., "Novel Mass Spectrometric Instrumentation in Biochemistry and New Materials", Department of Chemistry and Physics, Southeastern Louisiana University, Hammond, LA, October 26, 2007.

Verbeck, G.F., "Novel Mass Spectrometric Instrumentation Exploring, Employing, and Creating New Materials", Department of Material Science, University of North Texas, Denton, TX, October 10, 2007.

Verbeck, G.F., "Novel Mass Spectrometric Instrumentation to Solve Biochemical Problems", Department of Biology, University of North Texas, Denton, TX, September 7, 2007.

Verbeck, G.F., "The Development of Miniature Mass Spectrometers and Ion Optical Devices", Department of Chemistry, University of North Texas, Denton, TX, March 30, 2007.

Verbeck, G.F., "Miniature Mass Spectrometry and Ion Optics: The Current State and Interesting Problems", University of South Alabama, Mobile, AL, March 23, 2007.

Verbeck, G.F., "High Throughput Protein Analysis Using Ion Mobility Coupled to Mass Spectrometry", Prairie View A&M, Prairie View, TX, March 2, 2007.

Verbeck, G.F., "High Throughput Protein Analysis Using Ion Mobility Coupled to Mass Spectrometry", Austin College, Sherman, TX, February 27, 2007.

Verbeck, G.F., "Chemistry: Life After Graduation", University of the Ozarks, January 29, 2007.

WILSON:

"Theoretical Study of the Existence of FKrSiF₃ and FKrGeF₃", S. Yockel, A. Garg, and A.K. Wilson, National Meeting of the American Chemical Society, San Diego, California, March 13-7, 2005.

"Structure-Luminescence Relationship of Neutral LAuX Complexes (L=CO or RNC; X=halide), O. El-bjeirami, M.A. Omary, S. Yockel, and A.K. Wilson, National Meeting of the American Chemical Society, San Diego, California, March 13-7, 2005.

"Structures and Energetics of Small Third-Row Molecules Determined with Correlation Consistent Basis Sets", S. Yockel, B. Mintz, and A.K. Wilson, National Meeting of the American Chemical Society, San Diego, California, March 13-7, 2005.

"Theoretical Studies of Second Row Molecules", T.H. Dunning, Jr., A.K. Wilson, and D.E. Woon, National Meeting of the American Chemical Society, San Diego, California, March 13-7, 2005.

"NSF REU Program in Chemistry at the University of North Texas", A.K. Wilson, T. Cundari, and S. Yockel, National Meeting of the American Chemical Society, San Diego, California, March 13-17, 2005.

FACULTY PAPERS AND SEMINARS

WILSON cont:

"A Computational Study on New Rare Gas-Bonded Molecules", Evan Gawlik, Scott Yockel, and Angela K. Wilson, DFW ACS Meeting-in-Miniature, University of Texas at Arlington, Arlington, Texas, April 2005.

"Krypton bonding in FKrCF_3 , FKrSiF_3 and FKrGeF_3 ", Scott Yockel, Ankit Garg, and Angela K. Wilson, DFW ACS Meeting-in-Miniature, University of Texas at Arlington, Arlington, Texas, April 2005.

"Basis Set Truncation: A Means to Reducing the Computational Scaling of Ab Initio Methods." B. Mintz and A. K. Wilson, DFW ACS Meeting-in-Miniature, University of Texas at Arlington, Arlington, Texas, April 2005.

"Does the 'FOOF Problem' Persist in the Heavy FOOF Analogs?" B. P. Prascher and A. K. Wilson, DFW ACS Meeting-in-Miniature, University of Texas at Arlington, Arlington, Texas, April 2005.

"Photo-Induced Jahn-Teller Distortions in 3-Coordinate Copper(I) and Gold(I) Complexes." J. J. Determan, M. A. Omary, and A. K. Wilson, DFW ACS Meeting-in-Miniature, University of Texas at Arlington, Arlington, Texas, April 2005.

"Reduction of Computational Scaling via Basis Set Truncation." A. Shah, B. J. Mintz, and A. K. Wilson, DFW ACS Meeting-in-Miniature, University of Texas at Arlington, Arlington, Texas, April 2005.

"Truncation of the Correlation Consistent Basis Sets: A Means to Reduce the Computational Scaling of Ab Initio Methods?", Benjamin Mintz and Angela K. Wilson, American Conference on Theoretical Chemistry, July 16-21, 2005, University of California – Los Angeles.

"A Computational Study of Heavier Dihalogen- μ -Dichalcogenides: The FOOF Analogs", Brian Prascher and Angela K. Wilson, American Conference on Theoretical Chemistry, July 16-21, 2005, University of California – Los Angeles.

"Keys to Quantitative Modeling of Extended Chemical Systems: Effective Computational Cost Reduction", Angela K. Wilson, 2005 IUPAC Congress, August 14-19, 2005, Beijing, China.

"An Analysis of the Basis Set Requirements for Accurate Description of Ionic Molecules: The Importance of the Anion Polarizability", Benjamin Mintz, Paul S. Bagus, and Angela K. Wilson, National Meeting of the American Chemical Society, Washington D.C., Aug. 26-Sept. 1, 2005.

"New Krypton-Bonded Molecules: A Theoretical Study", Scott Yockel and Angela K. Wilson, National Meeting of the American Chemical Society, August 28-September 1, 2005, Washington D.C.

"Reduction of Computational Requirements and Trends for High Accuracy Description of Molecular Properties", Benjamin Mintz, Paul S. Bagus, and Angela K. Wilson, National Meeting of the American Chemical Society, August 28-September 1, 2005, Washington D.C.

"A Computational Investigation of Heavy Dihalo- μ -dichalcogenides: The FOOF Analogs." B.P. Prascher and A.K. Wilson, Physikalische Chemie I (PC1) Symposium at Klaukenhof; Ruhr-Universität Bochum, Bochum, Germany, September 2005.

FACULTY PAPERS AND SEMINARS

WILSON cont:

"Transition Metal Chemistry: Towards Accurate Energetic Description", John Determan, Scott Yockel, Pankaj Sinha, Mohammad A. Omary, Paul S. Bagus, and Angela K. Wilson, National Meeting of the American Chemical Society, Washington D.C., Aug. 26-Sept.1, 2005.

"The Correlation Consistent Composite Approach (ccCA): A Non-Empirical Approach to Accurate Thermodynamics", Angela K. Wilson, Austin Symposium on Molecular Structure, Austin, Texas, March 5-7, 2006.

"Correlation Consistent Basis Sets: Towards Chemical Accuracy", Angela K. Wilson, Nathan J. DeYonker, Scott Yockel, Thomas R. Cundari, Benjamin Mintz, Brian Prascher, Tom Grimes, and Adriana Dinescu, Quantitative Quantum Chemistry Conference, Santa Fe, New Mexico, March 17-20, 2006.

"Life after Graduation: Prospects for Undergraduates (Preparing Now for Future Success)", A. K. Wilson, Department of Chemistry, Eastern Washington University, Cheney, Washington, May 6, 2006. (Selected for the 2006 Alumni Achievement Award.)

"Life after Graduation: Prospects for Undergraduates (Preparing Now for Future Success)", Angela K. Wilson, Department of Chemistry and Physics, Northwestern State University, Natchitoches, Louisiana, November 6, 2006.

"Advances and Challenges in Computational Chemistry", Angela K. Wilson, Northwestern Louisiana Section of the American Chemical Society, November 7, 2006. (*Invited dinner speaker.*)

"Advances and Challenges in Computational Chemistry", Angela K. Wilson, Department of Chemistry, Grambling University, Grambling, Louisiana, November 8, 2006.

"Barriers and Pathways to Quantitative Modeling", Angela K. Wilson, Departmental Seminar, Department of Chemistry, University of Tulsa, Tulsa, Oklahoma, November 13, 2006.

"The Pursuit and Integration of National and International Opportunities from a Research-Driven Scientific Career Perspective", Division of Basic Science, UT Southwestern, Dallas, Texas, December 7, 2006. (*Invited talk for their "Quest for Career" program*)

"Applications of Computers in Chemistry. A UNT Perspective", T.R. Cundari and A.K. Wilson, Department of Mathematics, University of North Texas, March 3, 2006.

"On the Importance of Basis Set Construction in Density Functional Theory Calculations", B.P. Prascher, B. Wilson, and A.K. Wilson, Quantitative Quantum Chemistry Conference, Santa Fe, New Mexico, March 17-20, 2006.

"Systematic Basis Set Truncation Towards the Reduction of Computational Cost", B.J. Mintz and A.K. Wilson, Quantitative Quantum Chemistry Conference, Santa Fe, New Mexico, March 17-20, 2006.

"The correlation consistent Composite Approach (ccCA)", N.J. DeYonker, T.R. Cundari, and A.K. Wilson, Quantitative Quantum Chemistry Conference, Santa Fe, New Mexico, March 17-20, 2006.

FACULTY PAPERS AND SEMINARS

WILSON cont:

"Revisiting the Core-valence Correlation Consistent Basis Sets for Second-row Atoms" S. Yockel and A.K. Wilson, Quantitative Quantum Chemistry Conference, Santa Fe, New Mexico, March 17-20, 2006.

"The Relationship between Structure and Luminescence of Au(CO)Cl", S. Yockel, O. El-bjeirami, A.K. Wilson, and M.A. Omary, National Meeting of the American Chemical Society, Atlanta, Georgia, March 26-30, 2006.

"A Computational Study on the Stability of New Krypton-Bonded Molecules", S. Yockel, E. Gawlik, and A.K. Wilson, National Meeting of the American Chemical Society, Atlanta, Georgia, March 26-30, 2006.

"Core-valence Correlation Consistent Basis Sets Revisited for the Second-Row Atoms (Al-Ar)", S. Yockel and A.K. Wilson, National Meeting of the American Chemical Society, Atlanta, Georgia, March 26-30, 2006.

"Importance of Basis Set Construction in Density Functional Theory", B.P. Prascher and A.K. Wilson, National Meeting of the American Chemical Society, Atlanta, Georgia, March 26-30, 2006.

"The correlation consistent Composite Approach (ccCA)", N. DeYonker, T.R. Cundari, and A.K. Wilson, National Meeting of the American Chemical Society, Atlanta, Georgia, March 26-30, 2006.

"Effective Computational Cost Reduction via Basis Set Truncation: Extended Systems", B. Mintz, A. Shah, and A.K. Wilson, National Meeting of the American Chemical Society, Atlanta, Georgia, March 26-30, 2006.

"Analysis and Development of Basis Sets for Optimal *Ab Initio* and Density Functional Performance", A.K. Wilson, B.P. Prascher B. Mintz, and X. Wang, National Meeting of the American Chemical Society, Atlanta, Georgia, March 26-30, 2006.

"A Basis Set Perspective On Density Functional Theory", B.P. Prascher and A.K. Wilson, ACS Meeting-in-Miniature, Texas Woman's University, April 29, 2006.

"Computational Study of the π Acidity and Basicity of Inorganic Metalloaromatics in Relation to Their Organic Counterparts", S.M. Tekarli, T.R. Cundari, M.A. Omary, and A.K. Wilson, ACS Meeting-in-Miniature, Texas Woman's University, April 29, 2006.

"Investigation of the Alkali Metal Oxides and Hydroxides with *Ab Initio* Methods: Accurate Determination of Physical and Energetic Properties", B.J. Mintz, M.B. Sullivan, T. Buesgen, S.R. Kass, L. Radom, and A.K. Wilson, ACS Meeting-in-Miniature, Texas Woman's University, April 29, 2006.

"Zinc and Cadmium Monomers and Dimers: Bonding and Spectroscopic Properties", J.J. Determan, M.A. Omary, and A.K. Wilson, ACS Meeting-in-Miniature, Texas Woman's University, April 29, 2006.

"Re-examining the Core-Valence Correlation Consistent Basis Sets for Second-Row Atoms (Al-Ar)", S. Yockel and A.K. Wilson, ACS Meeting-in-Miniature, Texas Woman's University, April 29, 2006.

FACULTY PAPERS AND SEMINARS

WILSON cont:

"Photophysics of Bis(thiocyanato)gold(I) Complexes: Intriguing Structure-Luminescence Relationships", P. Sinha, R.K. Arvapally, A.K. Wilson, and M.A. Omary, ACS Meeting-in-Miniature, Texas Woman's University, April 29, 2006.

"Impact of Basis Set Choice upon Transition Metal Species", T.G. Williams and A.K. Wilson, ACS Meeting-in-Miniature, Texas Woman's University, April 29, 2006.

"Photophysics of Three-coordinate Au(I) Complexes: Fundamentals and Applications in Molecular Light-Emitting Diodes", P. Sinha, K. Divya, N.D. Shepherd, A.K. Wilson, and M. Omary, National Meeting of the American Chemical Society, San Francisco, California, Sept. 10-14, 2006.

"Assessment of Basis Set Performance for Density Functional Theory", B. Wilson, B.P. Prascher, and A.K. Wilson, National Meeting of the American Chemical Society, San Francisco, California, Sept. 10-14, 2006.

"Reliable Energetic Prediction for the G3/99 Test Set and Extended Systems: The correlation consistent Composite Approach (ccCA)", A.K. Wilson, N. DeYonker, T.R. Cundari, T. Grimes, S. Yockel, A. Dinescu, and B. Mintz, National Meeting of the American Chemical Society, San Francisco, California, Sept. 10-14, 2006.

"The correlation consistent Composite Approach (ccCA)", A.K. Wilson, Chinese-American Frontiers of Science (CAFOS), Irvine, California, October 26-28, 2006.

"Barriers and Pathways to Quantitative Modeling", N. DeYonker, T.R. Cundari, and A.K. Wilson, National Meeting of the American Chemical Society, Chicago, Illinois, March 25-29, 2007.

"Impact of Correlation Consistent Basis Sets on Transition Metal Species", T. Gavin Williams and A.K. Wilson, National Meeting of the American Chemical Society, Chicago, Illinois, March 25-29, 2007.

"A Basis Set Perspective on Density Functional Performance", B.P. Prascher, B.R. Wilson, and A.K. Wilson, National Meeting of the American Chemical Society, Chicago, Illinois, March 25-29, 2007.

"Performance of Density Functional Theory for Transition Metal-Containing Complexes Using Correlation Consistent Basis Sets", S. Tekarli, T.R. Cundari, and A.K. Wilson, National Meeting of the American Chemical Society, Chicago, Illinois, March 25-29, 2007.

"Truncation of the Correlation Consistent Basis Sets for Hydrogen: Extension to Larger Molecules", B. Mintz, S. Driskell, A. Shah, and A.K. Wilson, DFW ACS Meeting-in-Miniature, Texas Christian University, Forth Worth, Texas, April 28, 2007.

"Assessing Basis Sets for Their Use in Density Functional Theory through Truncation: Saving Time without Losing Accuracy", B.P. Prascher, B.R. Wilson, and A.K. Wilson, DFW ACS Meeting-in-Miniature, Texas Christian University, Forth Worth, Texas, April 28, 2007.

"Basis Set Effects in Transition Metal Species", T.G. Williams and A.K. Wilson, DFW ACS Meeting-in-Miniature, Texas Christian University, Forth Worth, Texas, April 28, 2007

FACULTY PAPERS AND SEMINARS

WILSON cont:

"Trends in Bonding and Phosphorescence of Group 12 Oligomers and Exciplexes", J.J. Determan, P. Sinha, M.A. Omary, and A.K. Wilson, DFW ACS Meeting-in-Miniature, Texas Christian University, Fort Worth, Texas, April 28, 2007.

"Performance of Density Functional Theory for Enthalpies of Formation of Transition Metal-Containing Species", S. Tekarli, T.R. Cundari, and A.K. Wilson, DFW ACS Meeting-in-Miniature, Texas Christian University, Fort Worth, Texas, April 28, 2007.

"Quantitative Accuracy without Increased Computational Cost: Modifications to the correlation consistent Composite Approach (ccCA)", B.R. Williams, N. DeYonker, A. Pierpont, T.R. Cundari, and A.K. Wilson, DFW ACS Meeting-in-Miniature, Texas Christian University, Fort Worth, Texas, April 28, 2007.

"Excited State Chemical Bonding and Spectroscopy of Inert Metals and Noble Gases", J. Determan, P. Sinha, M.A. Omary, and A.K. Wilson, National Meeting of the American Chemical Society, Boston, Massachusetts, Aug. 19-23, 2007.

"New Approaches to Quantitative Modeling that Span the Periodic Table: The correlation consistent Composite Approach (ccCA)", N. DeYonker, T.R. Cundari, and A.K. Wilson, National Meeting of the American Chemical Society, Boston, Massachusetts, Aug. 19-23, 2007.

"The correlation consistent Composite Approach: Efficient Thermochemistry Across the Periodic Table", N. DeYonker, A.K. Wilson, and T.R. Cundari, National Meeting of the American Chemical Society, Boston, Massachusetts, Aug. 19-23, 2007.

"An efficient method for the evaluation of the intrinsic accuracy of density functional methods." B.P. Prascher, B.R. Wilson, and A.K. Wilson, XXIII Southwest Theoretical Chemistry Conference, Texas A&M University, College Station, Texas, Oct. 13-14, 2007.

"Truncation of the Correlation Consistent Basis Sets: An Effective Scheme for Computational Cost Reduction", B. Mintz, S. Driskell, A. Shah, and A.K. Wilson, XXIII Southwest Theoretical Chemistry Conference, Texas A&M University, College Station, Texas, Oct. 13-14, 2007.

The impact of systematic basis set truncation and recontraction on density functional theory computations." B.P. Prascher, B.R. Wilson, and A.K. Wilson, 16th Conference on Current Trends in Computational Chemistry, Jackson, Mississippi, Nov. 2-3, 2007.

"Hartree-Fock Energy Convergence of Transition Metal Species", T. G. Williams, N.J. DeYonker, and A.K. Wilson, 16th Conference on Current Trends in Computational Chemistry, Jackson, Mississippi, Nov. 2-3, 2007.

"Truncation of the Correlation Consistent Basis Sets for Hydrogen: Extension to the hydrogen containing molecules of the G3/99 test suite", B. Mintz, S. Driskell, A. Shah, and A.K. Wilson, 16th Conference on Current Trends in Computational Chemistry, Jackson, Mississippi, Nov. 2-3, 2007.

"The correlation consistent Composite Approach (ccCA): Efficient Thermochemistry Across the Periodic Table", N.J. DeYonker, T.R. Cundari, and A.K. Wilson, 16th Conference on Current Trends in Computational Chemistry, Jackson, Mississippi, Nov. 2-3, 2007.

"Center for Advanced Scientific Computing and Modeling", UNT Health Sciences Center, February 6, 2007.

FACULTY PAPERS AND SEMINARS

WILSON cont:

"Barriers and Pathways to Quantitative Modeling", Texas Tech University, February 14, 2007.

"Barriers and Pathways to Quantitative Modeling of the Transition Metals", Sanibel Meeting, St. Simon's Island, Georgia, February 22-27, 2007.

"Advances in *Ab Initio* and Density Functional Approaches: From a Methodological and Basis Set Perspective", A.K. Wilson, *Computational Science & Engineering Advances Supported by NSF Resources* Symposium, National Meeting of the American Chemical Society, Boston, Massachusetts, Aug. 19-23, 2007.