Collaborative Scientific Research Opportunities Relative to the Gulf Oil Spill

November 1-2, 2010
New Orleans, LA

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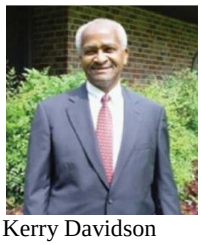
Michael Khonsari
LA EPSCoR
Project Director

Collaborative Scientific Research in Relation to the Gulf Oil Spill



Kerry Davidson
Deputy Commissioner for Sponsored Programs, LA Board of Regents

Louisiana EPSCoR and the Louisiana Board of Regents, in collaboration with Alabama and Mississippi EPSCoR, welcome you to this Gulf Oil Spill Conference which has been organized to help identify and encourage collaborative scientific research. This event, planned by a 32-member tri-state steering committee, brings together participants from diverse campuses, disciplines, and states, among whom are leaders in other Gulf oil spill conferences and initiatives. We also extend a warm welcome to the NSF Rapid Award Winners whose research ideas will be shared through poster displays. A heartfelt thanks is due to the presenters, facilitators, and panelists who will exercise leadership roles during the next two days. We offer special appreciation to Dr. Uma Venkateswaran, EPSCoR Program Officer, for her counsel and guidance as conference planning proceeded, and for her participation.

Few days pass without new questions being posed about the oil spill and its consequences. Many of the questions can be answered from positions of knowledge only by scientists, and numerous of these can be answered with authority only by teams of scientists conducting interdisciplinary research.

As insights are shared and partnerships are formed, it is useful to remember Abraham Lincoln's timeless advice: "As our case is new, we must think anew." The success of the conference will be measured by the extent to which you, with your colleagues, think "anew" to address oil spill research by forming partnerships across disciplines, campuses, states, and agencies.

Enjoy the conference and New Orleans.

Conference Agenda: Collaborative Scientific Research in Relation to the Gulf Oil Spill

Sunday, October 31, 2010				
3:00-6:00	Registration & Poster Set-up			
Monday, November 1, 2010				
7:00-8:00	Registration & Poster Set-up; Continental Breakfast			
8:00-8:45 **Plenary**	Welcome & Introduction: Michael Khonsari The Role and importance of Interdisciplinary Research: Thomas Russell, NSF Office of Integrative Activities			
8:45-10:30 **Plenary II** Respective researchers who have been involved in the aftermath of and response to the oil spill offer perspectives on ongoing and prospective collaborative opportunities. These wide-ranging presentations will provide context and impetus for breakaway Strand discussions to take place throughout the remainder of the Conference.	Michael Khonsari, Moderator; Chris D'Elia (LSU); LuAnn White (Tulane); Vijay John (Tulane); Alice Clark (U Miss); Steve Mathies (LA Office of Coastal Protection & Restoration); Nancy Rabalais (LUMCON); Stephen Sempier (MS/AL Sea Grant)			
10:30-10:45	Break			
Breakaway Strands	**Engineering Aspects and the Transport and Fate of Spilled Oil** Facilitators: Ed Overton, LSU Lou Thibodeaux, LSU Doug Blakemore, Chevron	**Coastal and Ocean Environments: Damage, Remediation and Recovery** Facilitators: Denise Reed, UNO Andy Nyman, LSU Steve Lohrenz, USM	**Human Communities: Disaster Management, Sustainability and Health** Facilitators: Jay Grimes, USM LuAnn White, Tulane	**Economics, Policy and Decision Support Systems** Facilitators: Sally Sleeper, RAND Florenz Plassmann, Binghamton U
Staff Strand Contacts	*Sally Donlon*	*Jessica Domingue*	*Sara Sims*	*Carrie Robison*

10:45-12:45 **Identification and Discussion of Collaborative Research Topics (1)** Following brief introductions from a Strand facilitator, each panelist will provide a 20-minute overview of collaborative research in the topical area from his/her perspective. A discussion will follow. Collectively these overviews and discussion will highlight collaborative research and priorities for partnerships within the research Strand.	Panel: Bhaskar Kura, UNO Ning Zhang, McNeese Balaji Ramachandran, Nicholls Julius Langlinais, LSU	Panel: Mark Zappi, ULL John Pardue, LSU Raj Boopathy, Nicholls Vijay John, Tulane Prabhakar Clement, Auburn Russ Beard, Stennis, National Coastal Data Development Center	Panel: LuAnn White, Tulane Kamran Abdollahi, SUBR Udaysankar Nair, UAH Jonathan Ward, UTMB	Panel: Joseph Mason, LSU Ramesh Kolluru, ULL Don Epley, USA Mitchell Crusto, Loyola Robert Collins, Dillard
12:45-1:45	Lunch with Speaker: John Hofmeister, Founder and CEO, Citizens for Affordable Energy and former CEO of Shell Oil Moderator: Robert Twilley, ULL			
1:45-3:00 **Identification and Discussion of Collaborative Research Topics (2)** Topic 2 will continue and further develop the theme of Topic 1. A new panel will provide 10-minute presentations followed by discussion.	Panel: Erez Allouche, LA Tech Derek Williamson, UA Ralph Portier, LSU Lou Thibodeaux, LSU	Panel: Mike Materne, LSU Ag Center Caz Taylor, Tulane Gary King, LSU Andy Nyman, LSU	Panel: Paul Coreil, LSU Ag Center Jeffrey Wickcliffe, Tulane Marilyn Kilgen, Nicholls Matt Lee, LSU Janice Chambers, MSU	Panel: Geoffrey Parker, Tulane Lee Yao, Loyola Mikel Petty, UAH John Kiefer, UNO Dek Terrell, LSU
3:00-3:30 **Priority Collaborative Research Topics Identified** Led by the facilitators, Strand participants will list the Priority Collaborative Research Topics to be discussed in the succeeding session.	Discussion Group	Discussion Group	Discussion Group	Discussion Group
3:30-3:45	Break			
3:45-4:30 **Priority Collaborative Research Topics Discussion** Based on the Priority Collaborative Research Topics Identified, Strand participants will break into small groups to explore partnership opportunities.	Small groups organized by priority topics identified previously	Small groups organized by priority topics identified previously	Small groups organized by priority topics identified previously	Small groups organized by priority topics identified previously
4:30-5:30 **Collaborative Research Summary** Each subgroup will produce a one-page Collaborative Research Summary for submittal by the end of the day to the Strand facilitator(s).	Ad hoc small groups from previous session	Ad hoc small groups from previous session	Ad hoc small groups from previous session	Ad hoc small groups from previous session
6:00-8:00	Poster Session			

Tuesday, November 2, 2010				
7:00-8:00	Registration; Continental Breakfast			
8:00-8:30 **Plenary III**	Collaborative Research in NSF EPSCoR - Uma Venkateswaran, Program Director, NSF EPSCoR Moderator: Michael Khonsari, LA EPSCoR			
8:30-9:30 **Intra-Strand Priority Collaborative Research Topics: Summaries and Discussion** For each Strand, facilitators and selected panelists will explain Collaborative Research Summaries from Day 1, analyzing opportunities and leading discussions of next steps.	Outcome of Day 1: Possibilities for Collaboration & Next Steps	Outcome of Day 1: Possibilities for Collaboration & Next Steps	Outcome of Day 1: Possibilities for Collaboration & Next Steps	Outcome of Day 1: Possibilities for Collaboration & Next Steps
9:30-10:45 **Intra-Strand Funding Opportunities** For each Strand, NSF program officers will make presentations and lead discussions of federal funding opportunities related to collaborative research in the topical areas.	**Funding opportunities explored with federal program officers** Eduardo Misawa, CMMI/ENG	**Funding opportunities explored with federal program officers** Donald Rice, OCE/GEO	**Funding opportunities explored with federal program officers** Tyrone Mitchell, CHE/MPS	**Funding opportunities explored with federal program officers** Robert O'Connor, SES/SBE
10:45-11:00	Break			
11:00-12:15 **All-Strand Summary Reports** **Plenary IV** For each Strand, facilitators and selected panelists will provide 15-minute summaries which focus on priorities for collaborative research and partnerships.	Summary reports on Breakaway Strands			
12:15-12:30 **Concluding Observations** A research leader will offer concluding observations about opportunities identified through Conference discussions.	Concluding Observations: Robert Twilley, ULL			

Collaborative Scientific Research Opportunities in Relation to the Gulf Oil Spill

List of Posters

Posters associated with NSF RAPID awards

Robert L. Cook
Louisiana State University/Department of Chemistry
Investigating the immediate and long-term impact of the Gulf oil spill on the biogeochemistry and microbial communities of Louisiana's coastal wetlands

Lane Foil
LSU Agricultural Center/Department of Entomology
RAPID: A Survey of Tabanid and Ceratopogonid populations along coastal Louisiana to establish baseline data for measuring the impact of the BP oil spill on tidal marsh communities

Suzanne Fredericq and Darryl L. Felder
University of Louisiana at Lafayette/Department of Biology
Will diversity of macroalgae and macrocrustaceans on deep banks in the northern Gulf of Mexico be impacted by the Deepwater Horizon oil spill?

Dawn Fox, Norma Alcantar, Ryan Toomey
University of South Florida/Department of Chemical and Biomedical Engineering
RAPID: water-based, natural polymer surfactants: Implications for Deepwater Horizon oil spill dispersions

Richard S. Fulford, Harriet Perry, and Robert Griffitt
University of Southern Mississippi/Gulf Coast Research Laboratory
Assessment of the impacts of the Deepwater Horizon oil spill on Bluecrab, Callinectes sapidus, spawning and recruitment in the northcentral Gulf of Mexico.

Ken Halanych
Auburn University
RAPID: Taxonomic and metagenetic test of species distributions for marine meiofauna in the Gulf of Mexico

Karlene Hoo
Texas Tech University/Department of Chemical Engineering
Natural-based absorbent for crude oil spill cleanup

Amy M. McKenna
Florida State University/National High Magnetic Field Laboratory
Molecular Level Characterization and Compositional Archive for the 2010 BP Oil Spill

List of Posters

Posters associated with NSF RAPID awards (continued)

Martin T. O'Connell
University of New Orleans/Earth and Environmental Sciences
Seamless marine-strandline-wetlands sediments data structure to support decision-making in response to potential coastal oiling from the Deepwater Horizon disaster

Nathaniel E. Ostrom, Hasand Ghandi, Ben Kamphuis, Sam DeCamp
Michigan State University/Department of Zoology
Zhanfei Liu and Wayne Gardner
Univ. of Texas Marine Science Institute
Oxygen metabolism in the northern Gulf of Mexico region in the vicinity of the Deepwater Horizon oil spill

Nancy Rabalais
Louisiana Universities Marine Consortium (LUMCON)
Improving communication of oil spill research

Suja Rajan, Jessica Powell, Robert Martinez, Melanie Beazley, Behzad Mortazavi, and Patricia Sobecky
University of Alabama/Department of Biological Sciences
Coastal Alabama microbial responses to the Deepwater Horizon oil spill

Brian J. Roberts and Beth Middleton
Louisiana Universities Marine Consortium (LUMCON)
Effects of oiling and hydrologic remediation on baldcypress swamp elevation and ecosystem processes: a RAPID project in response to the Deepwater Horizon oil spill Incident

Mark Roser, Marcus Gay, Sheryl Torr-Brown, Just Cebrian, Ryan Moody, and Eric Sparks
The Results Group (SBIR Company) with research assistance from Dauphin Island Sea Lab
Use of isolation cylinders for controlled distribution of bioremediation agents

Natalia Sidorovskaya, Azmy Ackleh, and Nabendu Pal
University of Louisiana at Lafayette/ Department of Physics
Title tba

Geoff Sinclair
Louisiana Universities Marine Consortium (LUMCON)
Development and deployment of an integrated detection and oil sampling array in Louisiana estuaries

List of Posters

Posters associated with NSF RAPID awards (continued)

Amadeu Sum
Colorado School of Mines/Department of Chemical Engineering
Managing gas hydrate formation in an oil/gas blowout

Caz Taylor, Jessica Henkel, Bryan Sigel, and Thomas Sherry
Tulane University/Department of Ecology and Evolutionary Biology
Effects of the Deepwater Horizon oil spill on migratory shorebirds

Caz Taylor and Erin Grey
Tulane University/Department of Ecology and Evolutionary Biology
Blue crab larval dispersal during the Deepwater Horizon oil spill

W. Kelley Thomas
University of New Hampshire/Hubbard Center for Genome Studies
Taxonomic and metagenetic test of species distribution for marine meiofauna from the Gulf of Mexico

Ping Wang
University of South Florida/Department of Geology
Oil Contamination along Alabama and Florida beaches and in the nearshore zone

Zhengzhen Zhou, Laodong Guo, Alan Shiller and Steve Lohrenz
University of Southern Mississippi/Marine Science
Characterization of oils and dispersant in the northern Gulf of Mexico using fluorescence EEM and size fractionation techniques

Other Posters

Mustafa S. Altinakar, Yan Ding, and Xiaobo Chao
University of Mississippi/National Center for Computational Hydroscience and Engineering
Modeling and simulation for water-based pollutants in preventative & consequence management situations

Yan Ding, S.N. Kuiry, Mustafa S. Altinakar, Yafei Jia and Sam S. Y. Wang
University of Mississippi/National Center for Computational Hydroscience and Engineering
Simulations of coastal inundation, erosion, and water quality due to hazardous storms and hurricanes by using integrated computational model

List of Posters

Other Posters (continued)

Alexander Kolker, Alex David Ameen, Tom Bianchi, Robert Cook, Pauline Kolic, Nelson Green, and Yaoling Zhang
Louisiana Universities Marine Consortium (LUMCON)
Ecosystem resilience of coastal marshes following a massive oiling event

Jerome La Peyre and Sandra Casas
LSU Agricultural Center/Veterinary Science
Oyster responses to the deepwater horizon oil spill across coastal Louisiana: examining oyster health and hydrocarbon bio-accumulation

Corinne Richards-Zawacki and Danielle Drabeck
Tulane University/Department of Ecology & Evolutionary Biology
Population-level effects of contaminant exposure on Louisiana's gulf coast salt marsh endemic reptiles: the Mississippi diamondback terrapin (Malaclemys terrapin pileata) and the salt marsh snake (Nerodia clarkii clarkii)

Matthew Tarr, Sarah M. King, Peter Leaf, Aisa Carter, Anastasia Whitney, and Elizabeth Balga
University of New Orleans/Department of Chemistry
Photochemical transformation of surface oil from the Deepwater Horizon spill

John Pierce Wise, Sr., Iain Kerr, John Pierce Wise, Jr., Catherine F. Wise, James Wise, Sandra S. Wise, Christy Gianios, Jr., Matthew Braun, Julieta Martino, Tania Li Chen, Carolyne LaCerte, Ryan Duffy, and Kellie Joyce
University of Southern Maine/Maine Center for Toxicology and Molecular Epidemiology
The impact of the Gulf Oil crisis on Cetaceans: establishing a baseline of toxicology data for sperm whales and Bryde's whales in the Gulf of Mexico

Biographical Sketches of Conference Presenters and Panelists

PLENARY I

Thomas F. Russell joined OIA in November 2008 to coordinate the planning and execution of NSF's Cyber-Enabled Discovery and Innovation (CDI) program and, drawing upon his insight gained from his CDI experience, to formulate best practices regarding the design and implementation of NSF-wide, interdisciplinary programs.

Dr. Russell comes to OIA from the NSF Division of Mathematical Sciences (DMS), where he has served as a program director for computational mathematics and applied mathematics since 2003. His integrative activities during his years at NSF include leading or participating in the following initiatives: the DMS Vertical Integration of Research and Education (2005-2007); the DMS-GEO Collaborations in Mathematical Geosciences (2003-present); the Interagency Modeling and Analysis Group, which supports modeling and analysis of biomedical systems (2004-present); and the NSF-wide, CDI initiative (2007-present).

Previously, Dr. Russell was a professor in the Department of Mathematics at the University of Colorado at Denver from 1987 to 2003, and served as department chair from 1996 to 2001. From 1980 to 1987, he was a research mathematician at the Petroleum Technology Center of Marathon Oil Company in Littleton, CO. He received his Ph.D. in mathematics from the University of Chicago in 1980 under the supervision of Jim Douglas, Jr. His interdisciplinary professional service includes a term as the chair of the Society for Industrial and Applied Mathematics (SIAM) Activity Group on Geosciences from 1998 to 2000, chair of the organizing committee for the 2001 SIAM Conference on Geosciences, associate editor of Water Resources Research from 2001 to 2004, and membership on the scientific council of the French Research Group for Numerical Simulation and Mathematical Modeling of Underground Nuclear Waste Disposal since 2002.

His research interests are in the numerical solution of partial differential equations, particularly with applications to subsurface flows in porous media, including groundwater flow and transport and petroleum reservoir simulation. His current major thrusts include control-volume mixed finite element methods, which compute accurate velocities/fluxes for flow equations in heterogeneous media on distorted meshes; Eulerian-Lagrangian localized adjoint methods, which compute accurate solutions for transport equations, even when advection-dominated; efficient algebraic equation solvers for these methods; and upscaling techniques based on stochastic models and the solution of moment equations.

PLENARY II

Christopher F. D'Elia

Christopher F. D'Elia earned his A.B. in Biology from Middlebury College, his Ph.D. in Zoology from the University of Georgia, and did postdoctoral work at UCLA and at the Woods Hole Oceanographic Institution. Prior to joining Louisiana State University in July 2009 as Professor and Dean of the School of the Coast and Environment, he was Associate Vice Chancellor for Academic Affairs for Research and Graduate Studies and Professor of Environmental Science & Policy and Marine Science at the University of South Florida St. Petersburg. There he also directed the International Ocean Institute-USA and the Center for Science and Policy Applications for the Coastal Environment and served from 2007-2008 as Interim Vice Chancellor for Academic Affairs. He has also held professorships in Biological Science and Public Administration and Policy and was Vice President for Research & SUNY Research Foundation

Operations Manager at the University at Albany, SUNY. From 1977-1999, he was a Professor at the Chesapeake Biological Laboratory, University of Maryland Center for Environmental Science. He served as Director of the Maryland Sea Grant College Program of the University System of Maryland from 1989-1999. He has held appointments as the Ruth Patrick Distinguished Scholar in Aquatic Science at the Academy of Natural Sciences (Philadelphia), as the Director of the Biological Oceanography Program at the National Science Foundation in Washington, D.C. and as Provost and Vice President for Academic Affairs at the University of Maryland Biotechnology Institute.

Dr. D'Elia has held numerous research grants and has authored or coauthored over sixty scientific publications on the nutrient dynamics of estuaries and coral reefs, and on science policy. He is a Fellow of the American Association for the Advancement of Science and has served on numerous advisory panels to the National Science Foundation and other federal, state and private funding agencies. He was elected to membership in the Cosmos Club, Washington, DC, in 1994. Dr. D'Elia is a former President of the Estuarine Research Federation and former Chair of the Board of Directors of the Council of Scientific Society Presidents. He has chaired the Mid-Atlantic Regional Marine Research Board and the Public Affairs Committees of the Ecological Society of America and of the American Society of Limnology and Oceanography. He has served twice as President, and as Co-Chair of the External Relations Committee, of the Sea Grant Association. He has been a member of the Scientific and Technical Advisory Committee to the Chesapeake Bay Program and has been Co-Chair of the Legislative Committee of the Commission on Food, Environment and Renewable Resources and Co-Chair of the Board on Oceans and Atmosphere of the National Association of State Universities and Land Grant Colleges (NASULGC), and a member of the Executive Committee of the NASULGC Council on Research Policy and Graduate Education. He has been a member of the Board of Directors of the Hudson River Foundation since 1998 and also served as Chairman of the Executive Board of the Science Center of Pinellas County until from 2007 - 2009. He is serving a 3-year term as a member of the U.S. National Committee for the Intergovernmental Oceanographic Commission of UNESCO representing the Coastal and Estuarine Research Federation.

Vijay John

Vijay John is the Leo S. Weil Professor of Engineering and Chair of the Chemical and Biomolecular Engineering Department at Tulane University. He has been at Tulane since 1982 and served as Department Chair from 2002 to 2010. He received a B.Tech in Chemical Engineering from IIT Madras, an MS from the Pennsylvania State University and a D. Eng. Sci. from Columbia University, all in Chemical Engineering. Professor John works in the area of self-assembled and templated materials synthesis with applications to drug delivery and environmental remediation. He has published 145 journal articles and reviewed book chapters, and has graduated 21 Ph.D students. He has received funding from NSF, the U.S. Army, DoE, EPA and the NIH. He served as a Program Director at the NSF during the years 1996-98. He is active in the AIChE and has organized the NSF workshops at the AIChE for the past 5 years. In September, he co-organized a workshop for the NSF on the Science and Technology of Dispersants as Relevant to Deep Sea Oil Releases that was attended by scientists from academia, industry and federal agencies. His proudest accomplishment is the establishment of a strong collaborative effort between Tulane, Xavier and Nunez Community College to enhance education in the chemical sciences, engineering and process technology. The collaboration is funded through a BOR RC/EEP grant.

Michael Khonsari

Michael Khonsari is Associate Commissioner for Sponsored Programs Research and Development at the Louisiana Board of Regents and the Louisiana EPSCoR Project Director. Dr. Khonsari also holds the position of Dow Chemical Endowed Chair in Rotating Machinery and Professor of Mechanical

Engineering at Louisiana State University. He has previously held faculty positions at The Ohio State University, University of Pittsburgh, Southern Illinois University and faculty research fellowships at NASA, DOE, and Wright-Patterson Air Force Laboratories. Dr. Khonsari's research expertise is in the area of tribology—science of friction, lubrication, and wear. Dr. Khonsari serves on the editorial boards of eight journals specializing in the field of tribology. He has published over 200 archival papers and book chapters. He is a fellow of the American Society of Mechanical Engineers (ASME) and a fellow of the Society of Tribologist and Lubrication Engineers (STLE).

Steve Mathies

Steve Mathies, Ph.D., was hired as the Executive Director of the Louisiana Office of Coastal Protection and Restoration in August of 2009 following an extensive search generating interest from around the globe. Dr. Mathies has more than 25 years of professional experience in efforts to support the development of public and private efforts to preserve and restore Louisiana's coast.

A native of St. Tammany Parish, Dr. Mathies holds bachelor's and master's degrees from Northwestern State University in Natchitoches and a doctorate from Mississippi State University in the field of Botany. He came to the OCPR after serving as the Louisiana Senior Manager for CH2M HILL, an international engineering and design firm.

Dr. Mathies' past experience includes serving as the senior manager for several large, complex, multi-agency initiatives such as the Barataria-Terrebonne National Estuary Program (BTNEP), and the Coastal Wetlands Planning, Protection and Restoration Act (CWPPRA). His experience also includes serving as Deputy Secretary for the Louisiana Department of Natural Resources under the first administration of Governor Mike Foster. He has worked extensively in collaborative partnerships between the Louisiana Department of Natural Resources, the U.S. Army Corps of Engineers, and private-sector contractors on efforts to protect and restore the Louisiana coastline.

Dr. Mathies' accomplishments in building and fostering trusting relationships with agency representatives, area stakeholders, and the general public within these and other similar projects led to public recognition by Governor Foster, the CWPPRA Task Force and the American Planning Association. In 1995, he was selected the "Professional Conservationist of the Year" by the Louisiana Wildlife Federation.

Nancy N. Rabalais

Nancy N. Rabalais, Ph.D. is Executive Director and Professor at the Louisiana Universities Marine Consortium. Dr. Rabalais' research interests include the dynamics of hypoxic environments, interactions of large rivers with the coastal ocean, estuarine and coastal eutrophication, and science policy.

Dr. Rabalais was a Member, then Chair, of the Ocean Studies Board of the NRC (2000-2005), and served the Ocean Research and Resources Advisory Panel (2002-2006). Dr. Rabalais is currently serving as a Member of the NRC Committee on the Mississippi River and the Clean Water Act, and recently the NRC Committees on the Evolution of the National Oceanographic Research Fleet and Review of Water and Environmental Research Systems (WATERS) Network. She served as Co-Chair of the Scientific Steering Committee, Land Ocean Interactions in the Coastal Zone, International Geosphere Biosphere Programme; Member, SCOR Working Group #128 on Natural and Human-Induced Hypoxia and Consequences for Coastal Areas; Member, Council for UNOLS, the University-Naval Oceanographic Laboratory System; Member, Board of Directors, GCOOS, Gulf of Mexico Regional Association for Ocean.US; and Member, National Sea Grant Program National Advisory Board.

Dr. Rabalais is an American Association for the Advancement of Science Fellow, an Aldo Leopold Leadership Program Fellow, a Past President of the Estuarine Research Federation, a National Associate of the National Academies of Science. She received the 2002 Bostwick H. Ketchum Award for coastal research from the Woods Hole Oceanographic Institution and several research and environmental awards for her work on the causes and consequences of Gulf hypoxia. In 2008 she received the Ruth Patrick Award from the American Society of Limnology and Oceanography and the National Water Resources Institute Clare Prize in 2008 for her and her colleagues work on defining hypoxia and its environmental significance.

She obtained her B.S. and M.S. in Biology from Texas A&I University, Kingsville TX, and her Ph.D. in Zoology from The University of Texas at Austin in 1983. She is an author of 3 books, 29 book chapters, and over 100 peer-reviewed publications. Her paper entitled "Nutrient Changes in the Mississippi River and System Responses on the Adjacent Continental Shelf" in *Estuaries* 1996 is the journal's second most-cited paper between 1992 and 2005. With her collaborators Gene Turner and Dubravko Justić, she was a co-author of a paper in *Environmental Science & Technology* in 2008 that received the *ES&T* Best Environmental Paper for 2008 Award. And, with the same two co-authors, one of the Top-50 Most Cited Articles, 2005-2009, in *Marine Pollution Bulletin*.

Stephen Sempier

Steve Sempier is Deputy Director at the Mississippi-Alabama Sea Grant Consortium and also serves as Sea Grant's Gulf of Mexico Regional Research Planning Coordinator. He worked with federal and state agencies, universities, NGOs, and other groups to develop a Gulf-wide plan that identified regional research priorities and information needs. The plan was released in 2009 and is now being updated to include priorities related to the Deepwater Horizon oil spill. More than 1,200 people have contributed to the development of the regional research plan. The four Gulf of Mexico Sea Grant College programs are leading this effort, and Steve works closes with each of these programs. In addition, he is coordinating a regional hydrological restoration partnership program between the NOAA Restoration Center and Gulf of Mexico Sea Grant College programs. This program is identifying and prioritizing hydrological restoration projects in coastal areas of the Gulf of Mexico.

Steve has more than ten years of professional marine science, aquaculture/fisheries, and teaching experience. Recent employment includes working at Mississippi State University on a USDA aquaculture risk management project and working on a USAID program at Oregon State University devoted to increasing food security in developing nations. He earned his B.S. degree in Marine Science/Biology at Eckerd College in St. Petersburg, Florida and M.S. degree in Marine Resource Management/Fisheries Science at Oregon State University. He is currently pursuing a Ph.D in Coastal Sciences at University of Southern Mississippi.

LuAnn E. White

LuAnn E. White, PhD, DABT, is professor in the Department of Environmental Health and director of the Tulane Center for Applied Environmental Health (CAEPH) at Tulane School of Public Health and Tropical Medicine. She is a Diplomate of the American Board of Toxicology. She received a BS in Chemistry from St. Mary's Dominical College and a PhD in Pharmacology and Toxicology from Tulane School of Medicine. Dr. White directs New Orleans Study Center of the National Children's Study funded by the National Institutes of Health and the Academic Partners of Excellence for the Environmental Public Health Tracking Network funded by the Center for Disease Control and Prevention.

Dr. White serves as the toxicology consultant to the Louisiana Department of Health and Hospitals to assess the impact of hazardous materials on human health; she is currently working on the Gulf Oil Spill. Research projects include: the NIH-funded Head-off Environmental Asthma in Louisiana (HEAL) which examined the post-Katrina effects of molds on children with asthma; childhood lead poisoning in New Orleans including the impact of the post-Katrina demolition of housing on the reduction of childhood lead poisoning; methods for linking air monitoring data and health outcome data for respiratory and cardiovascular diseases. She has served on the ATSDR Board of Scientific Counselors (1999-2002) and the National Injury Prevention and Control Initial Review Group for CDC (2008-2012).

Dr. White has provided toxicological expertise on the Gulf Oil Spill to the Louisiana Department of Health and Hospitals, the Environmental Protection Agency, Centers for Disease Control and Prevention, and to numerous local, national and international news media. She has provided over 150 interviews and background sessions with print, television, radio and Internet news organizations. She has provided toxicological expertise on the compounds of concern in crude oil, dispersants, Louisiana seafood monitoring program, exposure assessments and health surveillance.

PLENARY III

Uma Venkateswaran

Uma Venkateswaran, EPSCoR Program Officer at the NSF, received her Ph.D. in Experimental Condensed Matter Physics in 1985 from the University of Missouri-Columbia. During 1985-1991, she was a Guest Scientist at the Max Planck Institute for Solid State Physics, Stuttgart, Germany, and a Research Associate at the State University of New York at Buffalo. In 1991, she joined the Physics Department at Oakland University in Rochester, Michigan as a faculty member.

For over fifteen years at Oakland University, Dr. Venkateswaran has taught physics courses and conducted research in the area of optical properties of solids using spectroscopic and high pressure techniques. Specific research areas include: the study of semiconductors, ferroelectric oxides, fullerenes, and carbon nanotubes using photoluminescence and Raman spectroscopy. She has published more than 70 articles several of them with undergraduate student co-authors and made over 150 presentations at national and international conferences and institutions.

Before joining the EPSCoR Office in 2009, she was a Program Director in the Division of Materials Research, in the Condensed Matter Physics program and in the Office of Special Programs at the National Science Foundation for three years. Currently as an EPSCoR Program Officer, her responsibilities include participation in all NSF EPSCoR activities including the Research Infrastructure Improvement Programs.

BREAKAWAY STRANDS

Engineering Aspects and the Transport and Fate of Spilled Oil

Erez Allouche

Dr. Erez Allouche is an Associate Professor of Civil Engineering at Louisiana Tech University, Technical Director of the Trenchless Technology Center and a LA Contractors' Educational Trust Fund Professor. Dr. Allouche earned his B.Sc. and M.Sc. degrees in Civil Engineering from Queen's University (1994,

1996), and a PhD from the University of Alberta (2000). He is a licensed professional engineer registered at the Province of Alberta, Canada. His research focuses on the development of new technologies as well as design and analysis models for various underground construction and condition assessment techniques. He is the recipient of the Ontario Premier Research Excellence Award (2001), University Research Award (2005, 2008), the Engineering and Science Foundation's Award (2006), the NASTT University Industry Award (2006), the University Innovator Recognition Award (2007, 2009), and the Louisiana Engineering Foundation Professional Award (2010). He is the inventor (or co-inventor) of six patents in the area of trenchless technologies and the author (and co-author) of over one hundred and seventy (170) publications in the areas of buried infrastructure management and pipeline installation, including 56 peer-reviewed journal papers.

Dr. Allouche teaches undergraduate and graduate courses in the areas of infrastructure management, construction management, construction equipment and methods, and trenchless technology. Over the past 10 years Dr. Allouche managed 65 research projects totaling more than $9 M, and served as the supervisor of twenty two (22) theses and seven (7) dissertations. Dr. Allouche is an Associate Editor of the recently launched ASCE Journal of Pipeline Systems, and served as a reviewer for numerous technical journals, technical conferences and grant awarding agencies. He served as a speaker in various engineering forums (PHMSA, ASCE, CSCE, LES, AGC, NASTT, ISTT), and is often invited to speak about HDD and pipeline rehabilitation related topics. Professor Allouche has devoted much of the past fourteen years to research and practice in the area of underground construction, specifically the design of horizontal directional drilling (HDD) installations. Currently he is active as a consultant in the field of large diameter HDD crossings.

Bhaskar Kura

Dr. Bhaskar Kura currently serves as a Professor/Graduate Program Coordinator of Civil & Environmental Engineering and Director of Maritime Environmental Resources and Information Center (MERIC) at the University of New Orleans. Dr. Kura obtained his Ph.D. (Civil & Environmental Engineering) in 1994 from the Louisiana State University and is a registered professional engineer (environmental) in Louisiana. Dr. Kura teaches a variety of undergraduate and graduate courses in environmental engineering which include (a) introduction to environmental engineering, (b) air quality monitoring, atmospheric dispersion modeling, and air pollution control, (c) solid/hazardous waste management, (d) pollution prevention, and (e) contemporary special topics such as sustainability, clean technologies, and energy & environment.
Dr. Kura has completed several environmental research projects that focus on solving problems associated with shipbuilding and ship recycling activities. He authored more than 60 peer-reviewed articles and 40 research reports. He presented more than 100 papers at the national and international conferences. Dr. Kura attracted more than $4 Million research funding as the principal investigator and a total of about $8.5 Million jointly with others (as PI, Co-PI, Associate Director, and Director of MERIC). Dr. Kura developed several software applications for protection and management of the environment, public health and safety.

Dr. Kura's research interests include:

- ❖Air Quality Monitoring (Particulates and Gases): Ambient Air Quality Monitoring, Air Pollutant Emission Characterization, Air Pollutant Emission Factors, Air Pollutant Emissions Modeling, and Process Simulation/Optimization for Air Pollutant Emission Reduction
- ❖Atmospheric Dispersion Modeling: Management of Urban/Regional Air Quality from Industrial and Transportation Sources; Atmospheric Dispersion Modeling and Inhalation-Induced Health (Cancer and Non-Cancer) Risk Assessment; Source Apportionment (for Risk and Emissions)

- ❖Air Pollution Control: Air Pollution Control Using Nanomaterials/Micro Devices and Novel ESP/Plasma Techniques
- ❖Sustainability of Urban Environmental Quality through LCA/LCC Approach: Life Cycle Assessment (LCA), Life Cycle Costing (LCC), Urban/Industrial Environmental Systems and Sustainability
- ❖Decision Support Systems/Software Applications for Air Quality/Environmental Management: Decision Support Systems for the Management of Air Toxics, Risk Assessment, Non-Attainment Areas, Industrial Hygiene, Industrial EH&S, Policy Development, and for Sustainability
- ❖Emerging Energy, Environment, and Sustainability Topics:
  - oClean Production Technologies to Minimize (a) Waste Generation, (b) Energy, (c) Resources, and (d) Health Impacts
  - oGreen Buildings: Smart Materials, Design, and Operations
  - oIndustrial process simulation, waste emission minimization and modeling
  - oClean technologies/sustainability; Emissions modeling; Pollution prevention

Dr. Kura is a recipient of several honors awards; noteworthy among those are: (a) the UNO National Alumni Association Early Career Achievement Award for Excellence in Research (1998), (b) James M. Todd Technological Accomplishment Award from the Louisiana Engineering Society (LES), and (c) a member of the Governor Jindal's Transition Environmental Advisory Council. He is a member of several professional organizations, American Association of Civil Engineers (ASCE), Association of Environmental Engineering Professors (AEEP), Air & Waste Management Association (A&WMA), and the National Shipbuilding Research Program (NSRP).

Julius Langlinais

Julius Langlinais received a BS (1967) in Physics from the University of Southwestern Louisiana in Lafayette, LA, and then received an MS and PhD (1971) in Physics from Louisiana State University. He taught 4 years at the University of Tampa and then joined Conoco as a Production Engineer in the New Orleans office in 1975. Approximately 2½ years later he joined Superior Oil Company as a Drilling Engineer in the Lafayette office. In 1980, he joined the Craft and Hawkins Department of Petroleum Engineering at Louisiana State University, where he was on faculty for 28 years. He retired in May, 2008. During that time at LSU, he held the position of Associate Dean for the College of Engineering for 15 years (1988 – 2003), and served as the interim Chairman for Petroleum Engineering for 1 year. Since retiring, he has worked on small consulting jobs.

As a faculty member, his research and teaching focused on production and drilling, resulting in 23 refereed journal articles, graduating 5 MS and 6 PhD students. Dr. Langlinais started as an Assistant Professor, and retired as Professor. On the teaching side, he taught courses in Well Design, PetroPhysics, Engineering Economy, and Advanced Production topics such as Two Phase Flow in Pipes, Nodal Analysis, and Artificial Lift. He was also an instructor in the Blowout Control Training Center for several years during the 1980's. Research topics included such areas as well control and two phase flow in pipes.

Eduardo Misawa

Eduardo Misawa has a B.Sc. and M.Sc. degrees from University of Sao Paulo (1979 and 1983) and Ph.D. degree from the Massachusetts Institute of Technology (MIT, 1988), all in Mechanical Engineering with concentration in Dynamics and Control. He is currently a Program Director in the Directorate for

Engineering at the National Science Foundation. His research experience includes Nonlinear Dynamics, Nonlinear Control, Robust Control, Vibrations, Mechatronics, Nanotechnology, Precision Engineering, Vehicle Dynamics, Fluid Power Control, Bioinformatics, Biotechnology and Biomedical Engineering.

Balaji Ramachandran

Balaji Ramachandran joined the new Geomatics Program, Department of Applied Sciences at Nicholls State University in Aug of 2004. Dr. Ramachandran's areas of interest include Geographic Information System (GIS), Global Positioning System (GPS), Remote Sensing, Unmanned Aerial Systems, Laser Scanning, Spatial Data Mining, Mobile and Pervasive Computing, Wearable Computing, Data Fusion, Decision Support Systems, and Environmental Planning. His research is usually inter-disciplinary in nature and pioneers in adoption of Geospatial technologies in other disciplines.

Dr. Ramachandran received his Master of Engineering in Environmental Engineering and Sciences with a concentration in Hydrologic Sciences from University of Florida (1997). His master's project was displacement studies involving transition from non-isocratic to isocratic displacement under favorable mobility ratios. These studies were part of looking at efficiencies in using Single Phase Micro Emulsions (SPME) as a technique for groundwater remediation at the Hill AFB Site, Utah.

Dr. Ramachandran received his Ph.D. in Civil Engineering (Geomatics) with minors in Computer & Information Science & Engineering and Urban & Regional Planning from University of Florida (2003) His doctoral dissertation titled "Advances in Spatial Information Systems for sustainable Natural Resource Management: A Conceptual Model" addressed issues related to applying geospatial technologies to a domain specific field such as natural resources.

His research ***Drishti***, a wireless pedestrian navigation system for the blind and disabled, augments contextual information to the visually impaired and computes optimized routes based on user preference, temporal constraints and discovered dynamic obstacles. Notable media coverage was an article in the ***Technology Section of the New York Times*** that appeared on October 17, 2002. The above work is applied for patent under the title "Pedestrian navigation and spatial relation device" and is currently pending (PGPUB# 20050060088).

In the past six years, Dr. Ramachandran is responsible for developing the Geomatics program at Nicholls State University. He has been awarded the Contractor's Education Trust Fund Endowed Professorship for his efforts in helping build this new program. He also directs the state of the art Geospatial Technology Center at Nicholls State University. He is currently managing several projects on GIS applications, datawarehousing of regional GIS datasets, monitoring coastal erosion and subsidence using GPS, and Internet based GIS applications. He is also working on emerging technologies unmanned aerial systems for mapping barrier islands and laser scanning for coastal erosion in the State of Louisiana. He has several publications in peer reviewed journals and conference proceedings. He is very active in various professional societies and organizations.

Dr. Ramachandran is currently funded (or has received funding from) by Delta Regional Authority, Homeland Security Department of Defense, Microsoft Corporation, Louisiana Board of Regents (BoR), Louisiana Department of Environmental Quality, Terrebonne Parish Consolidated Government, Center for Advanced Transportation Systems Simulation, Florida Department of Transportation, Florida Highway Patrol, Suwannee River Water Management District, Florida Division of Forestry, Nicholls Research Council, and School of Forest Resources and Conservation University of Florida.

Louis Thibodeaux

Louis Joseph Thibodeaux is the Jesse Coates Professor in the Cain Department of Chemical Engineering at LS University, Baton Rouge, LA. As a graduate student he held a fellowship from the National Council for Air and Stream Improvement (Pulp & Paper Industry.). He worked in the nuclear and hazardous waste field for chemical and paper companies. In 1968 he joined U. of Arkansas for 17 years. In 1984 he returned to LSU as the Director of the US EPA funded Center for Hazardous Waste Research. After 11 years he returned to fulltime teaching and research.

For 40+ years his research has been focused on processes that drive the mobility of both anthropogenic and geo-chemicals in the natural environment. The 1st edition of the textbook entitled *Environmental Chemodynamics* appeared in 1979, published by John Wiley; the 2nd appeared in 1996. Both received worldwide adoptions and formed the basis of college and university-level environmental courses in diverse academic units such as chemistry, chemical engineering, civil-environmental engineering, environmental science, geosciences, public health, etc.

EC research focuses on the chemical, physical and biological processes that drive the behavior of anthropogenic and natural chemicals in earth systems. Both experimental transport and theoretical modeling studies support the research activities in the EC laboratories. Current work is being focused on floodwater sediment and soils containing organic pesticides, metals and petroleum hydrocarbon species. In-home modeling of movement and partitioning in the various post flooding generated phases is underway. This project is typical of the on-going ones. He has produced approx. 200 articles and authored or contributed to 33 books.

Derek Williamson

Dr. Derek Williamson received his BS in Engineering and Public Policy at Washington University in 1990. He attended graduate school at The University of Texas earning his masters in environmental engineering in 1993 and his PhD in 1998. At that time, he was very involved with the biodegradation of aged complex mixtures of hydrocarbon in soils and sludges. He left Austin in 1999 and started at the University of Alabama as an assistant professor. At that time Dr. Williamson became more interested in chemical fate processes occurring in the earth surface/atmosphere boundary layer. He has investigated mercury flux at small scales and now examines gas and energy fluxes over ecosystem scales using a dedicated aircraft in coordination with many collaborators in different science fields. Dr. Williamson founded the Airborne research group AERO at The University of Alabama in 2005 utilizing the university's dedicated small environmental research aircraft.

Ning Zhang

Dr. Ning Zhang has been a research scientist in the field of computational fluid dynamics with applications in mechanical, aerospace, civil and bio engineering for the past 10 years. He earned his Ph.D. degree in Mechanical Engineering from Kansas State University in 2005. He continued his postdoctoral research at the Urban Operational Laboratory, a United State Marine Corps (USMC) sponsored program from 2006 to 2008, where he was the lead scientist in two USMC funded projects to research and develop enhanced non-lethal capabilities and protective technologies for modernization of the Marine Expeditionary Rifle Squad (MERS). Dr. Zhang joined the Department of Engineering at McNeese State University in 2008. At McNeese State University, Dr. Zhang led research including sediment and oil-spill transport in coastal water systems, aerodynamics of micro aerial vehicles, and simulation–based hydro turbine optimizations. Dr. Zhang has achieved national and international acclaim among his peers,

particularly through numerous publications at peer-reviewed international journals, and presentations at national and international conferences. Dr. Ning Zhang is a senior member of American Institute of Aeronautics and Astronautics (AIAA), and a member of American Society of Mechanical Engineers (ASME). He has served on ASME Computational Fluid Dynamics Technical Committee since 2009.

Coastal and Ocean Environments: Damage, Remediation and Recovery

Raj Boopathy

Raj Boopathy is a distinguished service professor of biological sciences at the Nicholls State University, USA. He received the Jerry Ledet Foundation Endowed Professorship in Environmental Biology in 2002. In 2008, Dr. Boopathy received the Nicholls State University's Presidential Award for Teaching Excellence. He has more than 25 years of research experience in the area of bioremediation and bio-processing. His research involves bioremediation of hazardous chemicals including oil spills, biological treatment of wastewater, and bio-ethanol production. He has published 103 research papers in peer-reviewed journals and five book chapters. Dr. Boopathy reviewed research grants for National Science Foundation, Department of Defense, Department of Energy, and numerous private agencies and foreign governments including South Africa, Switzerland, Indonesia, and India. He is the editor of International journal of Biodeteriortion and Biodegradation (IBB). He is on the editorial board of the Journal, Bioresource Technology and International journal of soil and sediment contamination. Dr. Boopathy received Fulbright scholarship and spent six months teaching and conducting research at the Institute of Technology (ITB) in Bandung, Indonesia in 2007. He also received European Union-US biotechnology Fellowship and Leverhulme commonwealth fellowship.

Prabhakar Clement

Professor Prabhakar Clement currently holds the distinguished Arthur H. Feagin Chair professor position at the Department of Civil Engineering, Auburn University, Alabama. Before joining Auburn University, Dr. Clement worked as a senior research engineer at the Battelle Pacific Northwest National Laboratory, in Washington for over six years, and later worked as a senior lecturer at the Department of Environmental Engineering, University of Western Australia for three years. His current research interests include understanding of fate and transport of hydrocarbon contaminants in groundwater and surfacewater systems, development of laboratory experiments for visualizing the dynamics of environmental transport processes, and numerical modeling of density-coupled flow and reactive transport problems. Dr. Clement is the lead author of the widely used reactive transport software RT3D; he is also a co-author of the EPA's chlorinated hydrocarbon model BIOCHLOR. Dr Clement has served as an associate editor for four leading groundwater/hydrology journals. He recently served as a member of a National Academy of Science and Engineering panel that reviewed health impact studies related to a hydrocarbon contamination problem that occurred at a US Marine Base in Camp Lejeune, North Carolina. He has authored over fifty peer-reviewed journal articles. For more details visit his web site: http://www.eng.auburn.edu/users/clemept/

Gary King

G.M. King obtained a Ph.D. in microbiology at the University of Georgia, which was followed by positions as a postdoc and Research Assistant Professor at Michigan State University (Kellogg Biological Station). His dissertation and postdoctoral work focused on anaerobic carbon metabolism and trace gases in salt marshes, and sulfur cycling in both marine and freshwater ecosystems. After moving to the

University of Maine (Darling Marine Center), where he ultimately held the Clare S. Darling Distinguished Professorship in Oceanography, his work expanded to include a broad range of problems in microbial biogeochemistry, with emphases on plant-microbe and animal-microbe systems in marine, freshwater and terrestrial systems.

Dr. King also conducted studies on PAH analysis and metabolism in marine sediments, and isolated and characterized marine PAH-degrading bacteria. Past and current research has focused extensively on the microbiology and ecology of carbon monoxide metabolism; these efforts have included long-term studies on Kilauea volcano and other volcanic and geothermal systems. Dr. King is currently collaborating on diverse efforts to understand hydrocarbon impacts on bacteria associated with oysters and bacterioplankton in coastal and offshore systems. This and other work uses a wide range of molecular ecological and physiological-ecological approaches. Dr. King is a fellow of the American Academy for Microbiology, chair of the American Society for Microbiology's Environmental Committee, a member of the U.S. EPA's Science Advisory Board, a member of the Gordon and Betty Moore Foundation Science Advisory Board, a former Fulbright Research Fellow (Denmark, 2 years) and Visiting Professor at Ibaraki University, Japan. Dr. King has authored or co-authored more than 140 peer-reviewed publications and served on numerous scientific advisory committees and panels.

Steven E. Lohrenz

Steven E. Lohrenz is Chair and Professor at The University of Southern Mississippi (USM) Department of Marine Science, located at the NASA John C. Stennis Space Center. Dr. Lohrenz received a Ph.D. in Biological Oceanography in 1985 from the Massachusetts Institute of Technology-Woods Hole Oceanographic Institution Joint Program. He has been a faculty member at The University of Southern Mississippi since 1987 and chair of the Department of Marine Science since 2004. His research interests include phytoplankton ecology and physiology, cycling of nutrients and carbon, and the application of optics and remote sensing for characterizing water quality and biogeochemical processes in coastal waters. He has served on the USM Oil Spill Response Team and has also served on a statewide oil spill response committee.

Michael Materne

Education

B.S. – McNeese State University, Lake Charles, LA
Bachelor of Science in Agronomy
M.S. – Louisiana State University, Baton Rouge, LA
Graduate Study in Botany

Experience

Plant Materials Specialist with the USDA Natural Resources Conservation Service, 31 years of service with coastal responsibilities for Louisiana, Texas, and Mississippi; retired 2002.

Instructor with the LSU Agricultural Center, 8 years; in addition currently serving as Program Coordinator for the Coastal Plants Program within the School of Plant, Environmental, and Soil Sciences, and also as Interim Director of the Coastal Area Research Station in Plaquemine Parish.

Current Research Projects

Biological Approaches to Coastal Wetlands Restoration: USDA National Institute of Food and Agriculture;

Controls on the Successful Use of Dredged Sediments for the Restoration and Rehabilitation of Brackish Marshes: Chevron Energy Technology Company;

Beneficial Use of Dredge Sediments for Wetland Rehabilitation and Restoration: Hydro-Edaphic Controls on Vegetation Success after Sediment Nourishment: LA Office of Coastal Protection and Restoration;

A Vegetative Model for Restoration, Conservation, and Habitat Enhancement on Beneficial-Use Dredge Sediments: Environmental Protection Agency/Barataria-Terrebonne National Estuary Program;

Research Interests:

Coastal vegetative ecology, specifically the physiological adaptation of coastal wetland plants to environmental stressors; development, selection, and management of genetically-improved coastal wetland plants affecting coastal marsh stability; and applied application for accelerating coastal marsh vegetative community restoration.

Caz Taylor

Dr. Caz Taylor is a population ecologist, broadly interested in how density-dependence and large-scale spatial processes affect population dynamics. Her PhD was from UC Davis 2004 and she had an NSF postdoctoral fellowship in Bioinformatics before joining the Tulane Ecology and Evolutionary Biology department in 2009. Dr. Taylor works, or has worked, on invasive plants, migratory birds and marine organisms. Most of her work has involved species that inhabit, migrate through, or invade coastal wetland habitats. She works at the interface of theoretical and empirical ecology. In her lab, researchers work on mathematical and computational models but also collect field data and conduct field experiments in order to apply the models to real species.

Mark E. Zappi

Mark E. Zappi, PhD, PE has been involved in the development, application, and commercialization of remediation processes for treating petroleum and other organic contaminants for over 20 years. He also has been actively involved with the development of alternative energy processes for many years. His experience ranges from basic research all the way through to the design of commercial-scale systems. Currently, Dr. Zappi is the Dean of University of Louisiana at Lafayette's College of Engineering. He holds the Chevron Professorship in Chemical Engineering and also serves as Director of the Bioprocessing Research Laboratory at UL. Prior to coming to UL, he served as the Director of the Environmental Technology Research and Applications Laboratory and held the Dave C. Swalm Professorship of Chemical Engineering at Mississippi State University. From 1984 to 1995, Dr. Zappi worked within the Environmental Engineering Division of the Engineering Research and Development Center (ERDC) – Waterways Experiment Station located in Vicksburg, MS. Dr. Zappi holds a BS in Civil Engineering from UL and a MS and PhD in Chemical Engineering from Mississippi State University. He has published over 150 technical publications and worked on over 100 engineering projects. He holds three patents. To date, he has generated over $30M of R&D funding – all focusing on technology development. He has also worked at over 30 contaminated sites.

Human Communities: Disaster Management, Sustainability and Health

Kamran K. Abdollahi

Dr. Kamran K. Abdollahi is a Professor and Department Head for the Urban Forestry Program at SU Division of Agricultural Sciences & the Southern University Agricultural Research and Extension Center. He is currently directing 4 national and international projects emphasizing long-term urban forest ecosystem analysis, ecosystem restoration and management, urban wetland preservation and remediation, climate change and bioenergy. He has served on the *National Urban and Community Advisory Council to the Secretary of Agriculture (NUCFAC) and the Louisiana Environmental Advisory Panel (LEAP) of the LA Department of Environmental Quality (LA DEQ).* He is currently serving on the executive board of the *National Association of University Forest Resource Programs (NAUFRP).* He is providing leadership for the Urban Forest Ecosystem Science and Technology of the Society of American Foresters (SAF) and the Academy and Research Program of the ISA. He served on the editorial board of several scientific peer-reviewed Journals and publications. He has published refereed papers on urban forest ecosystem analysis, carbon sequestration, air quality, biomass, and global climate change. He has served as co-director for the Gulf Coast Regional Climate Change Assessment Program in collaboration with the USGCRP and the USEPA and co-edited several books on the subject. Dr. Kamran has a B.S. in Agricultural Engineering (1983) from The Pennsylvania State University (Penn State); M.S. in Soil Science, and Ph.D. in Forest Ecophysiology from the Arthur Temple College of Forestry at S.F.A. Dr. Abdollahi has received many university, state, national and international awards for excellence in research and teaching.

Janice E. Chambers

Dr. Janice E. Chambers is a William L. Giles Distinguished Professor and Director of the Center for Environmental Health Sciences in the College of Veterinary Medicine at Mississippi State University. She is also Director of Research for the Delta Health Alliance. She is originally from Berkeley, California, and received her BS in Biology from the University of San Francisco, and her PhD in Animal Physiology from Mississippi State University. She had post-doctoral experience in the Department of Biological Sciences at MSU, where she studied the effects of crude oil on estuarine species, and joined the faculty in that department, raising through the ranks there and in the College of Veterinary Medicine, where her academic appointment currently resides. She has experience in environmental toxicology research with major emphases on neurotoxicology, xenobiotic metabolism, levels of exposure of people to pesticides, development of antidotes to anticholinesterases, predicting the effects of mixtures of chemicals, development of biomarkers of vulnerability to diseases, and health disparities. She has been the Principal Investigator of over $30 million in federally-funded competitive grants, primarily from the National Institutes of Health, the Department of Defense's Defense Threat Reduction Agency and the United States Environmental Protection Agency. She has published over 85 articles in scientific journals, 24 book chapters and over 270 abstracts from conference proceedings. She has been major professor to 33 graduate students in the past and has 11 graduate students in her program at present. She holds two board certifications: Fellow of the Academy of Toxicological Sciences and Diplomate of the American Board of Toxicology. She is serving or has served on the executive boards of several scientific organizations including the Society of Toxicology, the Agrochemicals Division of the American Chemical Society, the NRC Committee on Toxicology, and the two toxicology certification organizations. She has also served on several advisory and review panels, including study sections for the NIH, the Board of Scientific Counselors for the National Center for Environmental Health/Agency of Toxic Substances and Disease Registry, and the Scientific Advisory Panel for the Federal Insecticide, Fungicide and Rodenticide Act for the USEPA and the Human Studies Review Board for the USEPA.

Paul D. Coreil

Dr. Paul D. Coreil is the Vice Chancellor of the LSU Agricultural Center and Director of the Louisiana Cooperative Extension Service, a position he has held since 2001. Prior to that, he served in several roles within the LSU Agricultural Center, beginning his Extension career as a Sea Grant Assistant Area Agent in Fisheries and Wildlife in 1978. He also served as parish chair of the Cameron Parish Extension Service office from 1987-1992. He was appointed as Wetlands and Coastal Resources Specialist for the Extension Service / Sea Grant in 1992 and served in that capacity till 1998. In 1998, he assumed the position of Wetlands Administrator for Burlington Resources, covering coastal wetlands formally owned by the Louisiana Land and Exploration Company (L,L & E), the largest private coastal landowner in Louisiana. In 1999, he returned to the LSU AgCenter as Assistant Director for environmental programs, a position he held until being named Extension director. He served as chair the Association of Southern Region Extension Directors in 2006; he also served as the first chair of the ***eXtension*** National Governing Committee – a committee that oversees the development of a national web-based information system covering a variety of topic areas important to a diversity of public interests. Dr. Coreil also served as the chair of the Extension Committee on Organization and Policy (ECOP) in 2009. He received his Bachelors of Science from the University of Southwestern Louisiana; both his Master's and Ph.D. are from Louisiana State University. The recipient of numerous awards, most recently, Dr. Coreil received the Chancellor's Diversity Leadership Award and the Association of Southern Region Extension Directors (ASRED) Excellence in Leadership Award for 2010. Dr. Coreil is married and has two children, and one grandchild.

D. Jay Grimes

Dr. D. Jay Grimes served as Provost and Vice President for Academic Affairs (2002-2007) and Director of the Gulf Coast Research Laboratory (1997-2007) at The University of Southern Mississippi where he is now a Professor of Coastal Sciences (Marine Microbiology). Grimes is a fellow in the American Academy of Microbiology and in the American Association for the Advancement of Science; he is the past-chair of the American Society for Microbiology's Communications Committee and he is past-president of the U.S. Federation of Culture Collections. Grimes also served as vice chair of the Consortium for Oceanographic Research and Education, chair of the NASULGC Board on Oceans and Atmosphere, and served on the Science Advisory Panel to the U.S. Commission on Ocean Policy. He currently chairs the NOAA National Advisory Panel on Oceans and Human Health Initiative, is a Science Advisor to the Joint Ocean Commission Initiative, and is the incoming co-chair of the Gordon Research Conference on Oceans and Human Health (2012). From 1990 to 1997, Grimes worked for the U.S. Department of Energy where he helped develop and manage the Microbial Genome Program and the Natural and Accelerated Bioremediation Research Program. Most recently, Grimes has focused his research on the distribution of and human health risks from waterborne pathogens, especially *Vibrio* species, and on the Deepwater Horizon oil incident. Grimes received his B.A. and M.A. in Biology from Drake University (1966 and 1968) and his Ph.D. in Microbiology from Colorado State University (1971).

Marilyn B. Kilgen

Marilyn B. Kilgen, PhD., is Alcee Fortier Distinguished Service Professor of Biological Sciences and Project Director for the Institute for Seafood Studies. She has a B.S. in Biology from Nicholls State University, Thibodaux, LA and a Ph.D. in Microbiology (Virology) with minors in Biochemistry and Pharmacology from Auburn University, Auburn AL. She was Head of the Department of Biological Sciences, Nicholls State University from 1994–2006. Her major area of research interest is Environmental

and Public Health aquatic and seafood microbiology including: 1)Water Quality and Coastal Restoration – effects of coastal restoration efforts on water quality and seafoods; indicators, pathogens, and microbial source tracking in sewage pollution of the aquatic environment and seafoods; and sewage treatment biotechnology; and 2)Seafood Safety and Technology – environmental, estuarine and seafood microbiology; effects of coastal restoration on sewage related and natural marine *Vibrios* in waters and seafoods; and seafood safety and oyster post harvest processing technology (hydrostatic high pressure, irradiation, cryogenics and other post-harvest treatment technologies). Her professional honors and appointments include Louisiana Center for Women and Government's Hall of Fame, spring 2005 for lifetime achievements and contributions to the State; NSU Presidential Award for Administrative Excellence; Louisiana CASE Professor of the Year1993; represented the U.S. at International Scientific Seafood Safety Symposia in France in 1993 and Cuba in 1998; appointed to the National Advisory Committee for the Microbiological Criteria for Foods (1992-1999); and elected to the National Academy of Sciences Institute of Medicine's Committee for the Evaluation of the Safety of Seafood in 1988.

Matthew Lee

Matthew Lee is a Professor of Sociology and interim Associate Vice Chancellor in the Office of Research & Economic Development at Louisiana State University. He is a criminologist and public health scholar with substantive interests in community social processes and resiliency. With respect to prior research on the human community impacts of disasters, members of his research group used the city of Baton Rouge as a laboratory to study the effects of the massive population influx associated with Hurricane Katrina and the evacuation of New Orleans on the social fabric of the city. Members of his research group have also been heavily involved in analyzing the differential recovery of New Orleans communities in the wake of Katrina.

In late June of 2010 he was co-PI on what is believed to be the first public health survey examining the effects of the Deepwater Horizon oil leak on residents of coastal Louisiana communities. The results of that study revealed extremely high levels of psychosocial distress, as well as moderately widespread physiological symptoms resulting from chronic worry over the effects of the oil spill (see report at http://www.lsu.edu/pa/mediacenter/tipsheets/spill/publichealthreport_2.pdf?id=329). Members of his research team are currently fielding the second wave follow-up to this study, with a third wave planned for late spring of 2011.

In his role in the Office of Research & Economic Development at LSU, he has provided administrative support to faculty researchers by convening forums to facilitate interdisciplinary communication. He has also helped administrate available research funds allocated to studying the effects of the oil spill.

Tyrone Mitchell

Dr. Mitchell was born in New Orleans, LA. He attended New Orleans Public Schools and enrolled at Dillard University in New Orleans, where he received a B.A. degree in Chemistry. Subsequently, he received an M.S. degree in Organic Chemistry from the University of Pittsburgh and a Ph.D. degree in Polymer Chemistry from Rensselaer Polytechnic Institute in Troy, NY. He worked for 25 years at the General Electric Company. At GE, Dr. Mitchell worked at their Corporate Research and Development Center and at the Silicone Products Division. While there, he co-authored 16 technical publications and received more than 25 US patents in the areas of organosilicon chemistry, polymer chemistry, and the synthesis of adhesion promoters for use in silicone sealants. When he left GE in 1990, the products he developed and supported by his patents were producing over $100M in annual sales.

Dr. Mitchell joined Corning Incorporated in 1990 where his research work involved the development of new coatings for optical fibers. He then held a number of management positions at Corning Incorporated where his responsibilities included seeking new technology that could impact Corning's research and development activities. This involved establishing university interactions and working proactively to monitor and maintain these relationships. Also, while at Corning, he developed a generic research agreement that mitigated publication and intellectual property issues between the universities funded and the company. This dramatically improved the number of collaborative projects funded at universities across the Corning R&D organization. Dr. Mitchell retired from Corning Incorporated in 2001.

Dr. Mitchell served on the Board of Directors of the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers, the Chemistry Section Committee of the American Association for the Advancement of Science, and the Corporation Associates of the American Chemical Society. In November 1999, he completed a five-year term as a Board Member of the Center for Advanced Materials Processing at Clarkson University, and in July 1999, completed a three-year commitment as a member of the Board of Directors of the Technology Transfer Society. He also served a four-year term as Member-at-Large to the Industrial Science & Technology Section of the American Association for the Advancement of Science. In January 2006, Dr. Mitchell was inducted as a Fellow in the American Association for the Advancement of Science.

Since 2001, Dr. Mitchell has been a Program Director in the Chemistry Division at the National Science Foundation in Arlington VA.

Jonathan Ward

Jonathan Ward is a Professor, in the Department of Preventive Medicine and Community Health at the University of Texas Medical Branch at Galveston. He retired from active service in August 2010 after 36 years. He served as the Director of the Division of Environmental Toxicology for a decade and as the Deputy and full Director of the National Institute of Environmental Health Sciences Environmental Toxicology Center, and the Sealy Center for Environmental Health and Medicine (SCEHM). His research addresses human sensitivity to the genotoxic effects of hazardous chemicals such as 1,3-butadiene. He studied exposed human populations using biological markers of exposure, effect, and genetic susceptibility. These studies assessed the genotoxic effects of butadiene exposure by correlating direct measures of exposure to butadiene with biomarkers of exposure and of the mutagenic effects of exposure, based on the frequency of in vivo mutations in the *HPRT* gene in lymphocytes. He was also the Principal Investigator on a recently completed NIEHS Environmental Justice grant which was a partnership among investigators at UTMB, a social service center in Houston, located in a near northside neighborhood, and a clinic of the Harris County Hospital District to surveyed homes in a low-income, predominantly Hispanic neighborhood for contamination with lead and with asthma triggers and communicate hazards to the community. Dr. Ward participates in several activities addressing air quality in the greater Houston region. Including participation in the Houston Mayor’s Task Force on the Health Effects of Air Pollution, a study of air-quality guidelines for hazardous air pollutants, and service on the Board of Directors of the Texas Environmental Research Consortium, a non-profit organization that supports and coordinates research to address the problems of excessive ozone air pollution levels in the Houston and Dallas regions of Texas. He has taught graduate and medical students in the areas of environmental health, toxicology, and molecular biology. He also works with community organizations to support their work on environmental quality and environmental justice. He actively participated in the Community Outreach and Education Core of the NIEHS Center and SCEHM, and he collaborates with the UTMB Center to End Health Disparities on projects addressing childhood exposure to lead and exposures resulting from the environmental effects of Hurricane Ike in Galveston, as well as the application of cumulative risk models to community exposures to environmental hazards.

Jeffrey Wickliffe

Jeff Wickliffe conducts research and educational programs focused on understanding, assessing, and ultimately minimizing adverse human health effects associated with exposure to environmental hazards. This includes effects resulting from exposure to direct or metabolically-activated genotoxins and mutagens such as ionizing radiation, hazardous air pollutants, elemental metals, and engineered nanomaterials. He develops and uses markers and endpoints designed to define mechanisms of toxicity that such agents cause directly to nucleic acids or indirectly through non-genotoxic mechanisms and their influence on disease outcomes. He conducts research in the context of academic and community partnerships with the latter playing active roles in the full process. He continues to study the effects that environmental genotoxicants have on non-human, ecological receptors both as surrogates for human effects and for understanding microevolutionary effects on exposed populations.

Economics, Policy and Decision Support Systems

Robert A. Collins

Dr. Robert A. Collins is Dean of the College of Arts and Sciences and Associate Professor of Urban Studies at Dillard University in New Orleans. His areas of research are disaster mitigation and recovery planning. He has also served as Lecturer in Urban Planning at Harvard University. While at Harvard he taught the first course in the United States to deal with the subject of rebuilding Post-Katrina New Orleans. It was titled: "Rebuilding New Orleans: The Role of Urban Planning and Design," and was commissioned by Harvard just thirty days after Hurricane Katrina.

He holds a Ph.D. in Urban Studies from the University of New Orleans. Prior to entering academia, he served as a Field Assistant to U.S. Senator Bennett Johnston. He has served as a consultant in the areas of institutional management, public policy analysis, and urban planning.

His most recent publication is an article for the Brookings Institution titled: "No More Surprises: Land Use Planning in the City of New Orleans," an analysis of post Katrina recovery planning. He is the author of the business manual: Resilience: Protecting your Business from Disasters in a Dangerous World. He is also the author of a chapter on recovery planning in the book: Resilience and Opportunity: Lessons from the U.S. Gulf Coast after Katrina and Rita, to be published by Rutgers University Press next year.

Mitchell F. Crusto

Law Professor Mitch Crusto has extensive legal, business, consulting, government, investment, and environmental policy credentials. At Loyola Law School, he teaches Business Law, Environmental Management, Insurance, Disaster Law, and other related courses. He has several scholarly law review articles on the intersection of business and the environment, including "The Katrina Fund" (Harvard's Journal on Legislation), "Green Business" (Louisiana Law Review) "Endangered Green Reports" (Harvard's Journal on Legislation); "All that Glitters is Not Gold" (Georgetown International Environmental Law Review). He has recently commented on legal issues relative to the BP oil spill and BP Trust Fund on both television and radio.

Professor Crusto, a native New Orleanian, has a J.D. from the Yale Law School, a M.A. in Jurisprudence from Oxford University, England (Marshall Scholar), and a B.A., Scholar of the House (History), *magna cum laude* from Yale College. He is a member of the Louisiana, Illinois, and Missouri Bar Associations and the Honorable Society of the Middle Temple in London. He clerked for Judge John Minor Wisdom

on the U.S. Court of Appeals for the Fifth Circuit and has served two U. S. Presidents in senior governmental policy positions.

Donald Epley

Donald Epley is the USA Distinguished Professor of Real Estate and Director, USA Center for Real Estate Studies. He earned a PhD in Regional and Urban Economics from the University of Missouri-Columbia. He is among a few in the U.S. who hold the prestigious MAI and CCIM designations from the Appraisal Institute and the Commercial Investment Institute.

He is the author and co-author of 10 textbooks in Real Estate Appraisal, Finance and Investments, and Brokerage. His research accomplishments include 110 referred journal articles. He served a term as the Editor of *The Journal of Real Estate Research* which has been ranked among the top three academic journals. He was the founding Editor of *The Journal of Real Estate Practice and Education*, and currently serves on the Editorial Board of three additional journals. Prior to joining the USA faculty, he was the Victor Lyon Chair of Real Estate at Washington State University. He served on the Faculty Senate, and was named the Faculty Member of the Year by a student organization.

He was elected as President of the American Real Estate Society and served a term as President of the American Real Estate Foundation. He was a member of the ARES Board of Directors for fifteen years.

As an elected Trustee to the Appraisal Foundation, Washington, D.C., he served as Chair of the Publications Committee, and was appointed to the Executive and Nominations Committees. He participated in the planning process to make the standards of professional practice required knowledge for all practicing real estate appraisers.

Dr. Epley recently was the recent Educational Consultant to the Commercial Institute Education Foundation, Chicago. He wrote reports which recommended need-to-know topics and curriculum that all CCIM classes should teach.

He supervises the 27 reports that the Center for Real Estate Studies publishes regularly on Coastal Alabama economy and real estate markets. He is the author of a monthly publication that examines and projects the current Mobile and Coastal economy.

He is frequently quoted in the media including the New York Times and Bloomberg Press. During the past 18 months, he has made 60 presentations on the local economy and the impact of the oil spill.

John Kiefer

Dr. John Kiefer is Professor and Director of the Master of Public Administration program in the Department of Political Science at the University of New Orleans (UNO). He is also a faculty associate at the Center for Hazards Assessment, Response and Technology (CHART), UNO's applied hazards social science research center.

Dr. Kiefer implemented the Hazard Policy specialization within the Master of Public Administration program at UNO, a curriculum that emphasizes the creation of resilient agencies and organizations. He teaches courses in hazard policy/administration and program evaluation. In his applied research, Dr. Kiefer specializes in the development of outcome-focused collaborative networks to create disaster resilience in organizations and communities. He is or has been either principal investigator or a research

team member for projects that include elderly evacuation, technology initiatives for vulnerable populations, repetitive flood loss mitigation, disaster resiliency studies, and a disaster resilient university. Professor Kiefer has published several book chapters, a variety of journal articles and other publications, and delivered professional papers at more than thirty conferences. He has been principal evaluator for a broad range of programs funded by the U.S. Department of Education, Department of Homeland Security, State of Louisiana, and several cities, receiving almost a million dollars in grant-related research funding. He serves as Chair of the Section on Emergency and Crisis Management of the American Society for Public Administration and on the Executive Board of the Southeastern Conference for Public Administration.

Dr. Kiefer's recent publications include (with Kristina Peterson) "Integrating Disaster Resilience into Traditional Academic Programs in Emergency Management Best Practices," Jessica Hubbard (Ed), Public Entity Risk Institute, Washington, DC, 2009.; (with Pam Jenkins and Shirley Laska) "Attending to the Forgotten: The Elderly, Collaborative Practice, and Evacuation in The Practice of Strategic Collaboration: From Silos to Action," Dorothy Norris-Tirell (Ed.), Taylor & Francis, Washington, DC, 2010; (with Pam Jenkins) "An Analysis of the Hurricane Gustav City-Assisted Evacuation," research report for the City of New Orleans, 2009.; (with Jay Mancini, Betty Morrow, Hugh Gladwin and Terina Stewart), "Providing Access to Resilience-Enhancing Technologies for Disadvantaged Communities and Vulnerable Populations," produced by the Institute for Advanced Biometrics and Social Systems Studies, December, 2008. Available at http://www.orau.org/university-partnerships/files/The-PARET-Report.pdf; (with Lindsey McCormick), "From Lessons-Learned to Lessons-Taught: Post-Katrina Implications for University Hazard-Related Curricula" in Emergency Management in Higher Education: Current Practices, Jessica Hubbard (Ed.), Public Entity Risk Institute, Washington, DC, 2008, pp. 267-276.

Dr. Kiefer has a Ph.D. in Public Management, a Master of Urban Studies, and a Master of Science in Administration. Prior to coming to UNO, Dr. Kiefer was a Research Professor at Old Dominion University in Norfolk, Virginia. He is a retired U.S. Marine Corps officer.

Joseph Mason

Dr. Joseph Mason is Professor of Finance and the Hermann Moyse/Louisiana Bankers Association Chair of Banking at the Ourso School of Business, Louisiana State University and Senior Fellow at the Wharton School.

Dr. Mason's academic research focuses primarily on financial and economic crises, investigating liquidity in thinly-traded assets and illiquid market conditions. Current academic research projects analyze default risk, including both immediate and cross-default risk, and default resolution costs in the contexts of asset-backed securities, in systemic and non-systemic environments, as well as the efficacy of bailout and resolution policies through the history of financial markets. His research has been published in the American Economic Review, the Journal of Money, Credit, and Banking, the Journal of Banking and Finance, and many other journals and books.

Dr. Mason has testified before numerous Congressional Committees, European Parliament, and the Federal Reserve Board and advised companies, regulators, and central banks around the world on structured finance and other matters. His research and economic commentary on securitization and financial crises has appeared in print and on radio and television around the world.

Robert O'Connor

Since 2001 Robert O'Connor has been directing the Decision, Risk and Management Sciences Program at the National Science Foundation. At NSF O'Connor also serves on the management teams for the Decision Making under Uncertainty for Climate Change (DMUU) centers and the Environment, Society and Economics project.

Dr. O'Connor represents the National Science Foundation on two interagency groups; the US Climate Change Science Program's Interagency Working Group on Human Contributions and Responses and the Subcommittee on Disaster Reduction of the National Science and Technology Council of the Executive Office of the President.

Prior to coming to NSF, Dr. O'Connor was a Professor of Political Science at the Pennsylvania State University where he also was part of the senior management team for the Center for Integrated Regional Assessment. The U.S. Department of Energy, U.S. Environmental Protection Agency, the National Oceanographic and Atmospheric Administration, and the National Science Foundation funded Dr. O'Connor's research into public perceptions of cumulative, uncertain long-term risks such as climate change.

His most recent articles have appeared in the *Agricultural and Resource Economics Review, American Journal of Political Science, Climate Research, Global Environmental Change, Journal of Environmental Education, Journal of Natural Resources and Life Sciences Education, Local Environment, Risk Analysis,* and the *Social Science Quarterly.* Dr. O'Connor earned his undergraduate degree at Johns Hopkins University and his doctorate in political science at the University of North Carolina at Chapel Hill.

Geoffrey Parker

Dr. Geoffrey Parker is an associate professor of Economic Sciences at the A. B. Freeman School of Business at Tulane University and serves as Director of the Tulane Energy Institute. Parker received a B.S. in electrical engineering and computer science from Princeton University, M.S. in electrical engineering (Technology and Policy Program) from MIT, and Ph.D. in management science, also from MIT. Parker has made significant contributions to the theory of network economics as co-developer of the theory of "two-sided" networks. Recent research includes a cross-industry investigation of outsourced engineering projects, multiple studies of the economics of business platform strategy, and multiple studies of the design and performance of electric power markets. Parker's research has been funded by grants from the National Science Foundation, the Department of Energy, and multiple corporations. Parker serves as a National Science Foundation panelist and as associate editor at multiple journals. Parker's work has appeared or is forthcoming in *Energy Economics*, *Harvard Business Review, the Journal of Economics and Management Strategy, Management Science, Production and Operations Management,* and *Strategic Management Journal*. Parker has recently worked on research projects with Charles River Associates, CISCO, ExxonMobil, IBM, and Microsoft. Prior to graduate school, Parker held multiple positions in engineering and finance at General Electric.

Florenz Plassmann

Florenz Plassmann is an associate professor at the State University of New York at Binghamton and he holds a PhD in economics from Virginia Tech. He has been a program director of the Economics Program at the National Science Foundation, and he has also worked as a consultant for the International Monetary Fund and the Monetary Authority of Singapore.

His primary fields of research are public economics and public choice, urban economics, econometrics, and applied general equilibrium. His current research focuses on statistical models of voting, and his most recent papers are on rules of fair division, accurate self-assessment, the assessment of correlated estimators, and on trade reform in South-East Asia. He has served as Director of Graduate Studies, taught courses on Macroeconomic Management and Fiscal Policy Issues for the IMF in Austria and China, and he has won multiple teaching awards, including the SUNY Chancellor's Award for Excellence in Teaching.

Lee J. Yao

Lee J. Yao, PhD, is tenured full Professor, the Fr. J.A. Butt, S.J. Endowed Distinguished Professor in Accounting, and holder of a Marquette Faculty Fellowship at Loyola University New Orleans, USA. He is a CPA, an Australian and English Chartered Accountant, a Certified Management Accountant, a Certified Fraud Examiner and a British Chartered IT Professional. He has extensive senior management experience with multinational firms including Hewlett-Packard, IBM and Arthur Andersen, in areas of accounting and information systems working in Australia, USA, UK, and Singapore for 20+ years before joining the academia. He was a Partner of litigation supports and forensic accounting at one of the then world Big 5 accounting firms, Arthur Andersen & Co, in the 90s. For the last eleven years since he joined the academe, he first worked as Associate Professor in Singapore's Nanyang Technological University, the largest research business school in Asia, and then he was Associate Dean (Research) for the School of Business and Technology at La Trobe University in Australia. Before joining Loyola University New Orleans, he was Associate Professor at Monash University, one of the top elite research schools in the world. He has published widely on issues in accounting and information systems, resulted in three books, twenty-six articles in major referred journals, 100+ papers presented at international conferences, including AAA Annual Meetings and DSI Annual Conferences, and 50+ other publications, all within the eleven years since he started his academic career. His research specializes in international corporate governance, firm valuation, economics impact studies and behavioral forensic accounting. His papers have appeared in such journals as *Accounting & Finance* ***(A&F)***, *Advances in Behavioral Accounting Research* ***(ABAR)***, *Advances in Quantitative Analysis of Finance and Accounting* ***(AQAFA)***, *International Journal of Accounting* ***(IJA)***, *International Journal of Accounting Information Systems* ***(IJAIS)***, *International Journal of Accounting and Information Management* ***(IJAIM)***, *International Review of Economics and Finance* ***(IREF)***, *Journal of Accounting, Auditing and Finance* ***(JAAF)***, *Journal of Computer Information Systems* ***(JCIS)***, *Journal of Forensic Accounting* ***(JFA)***, *Journal of Forensic and Investigative Accounting* ***(JFIA)***, *Journal of International Accounting Research* ***(JIAR)*** *and Review of Quantitative Finance and Accounting* ***(RQFA)***, among others. He was the recipient of the 2004 Teaching Excellence Award from La Trobe University and the 2008 Best Reviewer Award from the Emerald Literati Network. He has been elected to the Vice President of the Accounting Program Leadership Group and to membership of the IFRS and Forensic Accounting committee of the AAA. He has been appointed the editor-in-chief of the *International Journal of Accounting and Information Management (IJAIM)*, a high quality academic journal for 19 years, published by Emerald Group. He has been regularly invited by academic institutions and Fortune 500 companies around the globe, including those in the USA, UK, Australia, the Netherlands, Romania, Singapore, Macau, Hong Kong, China and Saudi Arabia to deliver keynote speeches, to serve as board members and to consult on various accounting, finance and information systems issues. He has produced economics impact studies for the Australian government on international student-related and major transportation changes issues.

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Name	Affiliation
Abdelrahim, Mohamed	Louisiana State University, Petroleum Engineering
Abdollahi, Kamran	Southern University, Division of Agricultural Sciences
Ackleh, Azmy	University of Louisiana-Lafayette
Adeyemi, Olusegun	Grambling State University
Albdelrahim, Mohamed	Louisiana State University
Alcantar, Norma	University of South Florida
Al-Raoush, Riyadh	Southern University- Baton Rouge
Allouche, Erez	Louisiana Tech University
Altinakar, Mustafa	University of Mississippi
Amakcer, Keith	Tulane University, Director Homeland Security Studies SCS
Andrade, Aubrey	Public Safety Leadership Institute, LLC
Arnold, Thomas	LSU Health Sciences Center- Shreveport
Backes, Wayne	LSU Health Sciences Center- New Orleans
Banish, Michael	University of Alabama-Huntsville
Bargu Ates, Sibel	Louisiana State University, Department of Oceanography & Coastal Sciences
Barnes, Paul	Loyola University New Orleans
Barrilleaux, Allayne	Nicholls State University
Bart, Hank	Tulane University
Bass, Phil	EPA Gulf of Mexico Program
Baumgartner, Gerald	Louisiana State University
Beard, Russ	National Coastal Data Development Center, Stennis
Benedict, Linda	LSU Ag Center
Benoit, Debi	Nicholls State University
Benson, Barbara	University of Louisiana-Lafayette
Berman, Mitchell	University of Southern Mississippi
Bhattacharyya, Sumita	Nicholls State University
Blake, Diane	Tulane University School of Medicine
Boone, Frank	Louisiana Tech University
Boopathy, Raj	Nicholls State University
Bourne, Thomas	Terrenew, LLC
Boyd, Neal	Louisiana Board of Regents
Braud, Loretta	Louisiana Board of Regents
Briski, Karen	University of Louisiana-Monroe, College of Pharmacy
Brooks, Kelly	Louisiana Tech University
Brown, Harmon	Louisiana Department of Natural Resources
Broy, Daniel	
Bui, Linda	LSU AgCenter
Burke, Michael	Tulane University
Butler, David	University of Southern Mississippi

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Name	Affiliation
Caffey, Rex	Louisiana Sea Grant LSU AgCenter
Calderon, Andres	Stephenson Disaster Management Institute at LSU
Camel, Simone	Nicholls State University
Campbell, William	Louisiana Tech University
Carman, Kevin	Louisiana State University
Carriere, Patrick	Southern University- Baton Rouge
Carron, Michael	Northern Gulf Institute
Carson, Paula	University of Louisiana-Lafayette
Carver, Doris	Louisiana State University
Chambers, Janice	Mississippi State University
Chao, Xiaobo	University of Mississippi
Chatham, Cynthia	University of Southern Mississippi
Chen, Qin Jim	Louisiana State University
Chesney, Edward	Louisiana Universities Marine Consortium (LUMCON)
Chin, Carol S.	NPS/National Center for Preservation Technology and Training & NSU
Chirdon, William	University of Louisiana-Lafayette
Cho, Hyun Jung	Jackson State University
Clark, Alice	University of Mississippi
Clement, Prabhakar	Auburn University, Feagin Chair Professor of Civil Engineering
Cohly, Hari	Jackson State University
Collins, Jerry	Louisiana Board of Regents
Collins, Robert	Dillard University
Condrey, Richard	Louisiana State University, Oceanography, School of the Coast & Environment
Cook, Robert	Louisiana State University
Corbat, Carol	Louisiana State University-Alexandria
Coreil, Paul	LSU AgCenter
Coyle, Steve	Tulane University
Coyne, Mary	University of Southern Mississippi
Crother, Brian	Southeastern Louisiana University
Crusto, Mitchell	Loyola University- New Orleans
Curole, Lanor	United Houma Nation
Curran, Stephen	University of Southern Mississippi, Department of Coastal Sciences
Czubakowski, Jessica	Louisiana Universities Marine Consortium (LUMCON)
D'Auvergne, Oswald	Southern University- Baton Rouge
D'Elia, Christopher	Louisiana State University, School of the Coast & Environment
Daigle, Doug	Louisiana State University, CREST

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Name	Affiliation
Daigle, Melissa	Louisiana Sea Grant
Davidson, Kerry	Louisiana Board of Regents
Day, John	Louisiana State University
de Mutsert, Kim	Louisiana State University
Deaton, Lewis	University of Louisiana-Lafayette
DeLaune, Ron	Louisiana State University
Dillon, Kevin	University of Southern Mississippi, Dept. of Coastal Science, Gulf Coast Research Lab
Ding, Yan	University of Mississippi, National Center for Computational Hydroscience and Engineering
Domingue, Jessica	Louisiana Board of Regents
Donlon, Sally	Louisiana Board of Regents
Dorsey, Waneene C.	Grambling State University
Drabeck, Danielle	Tulane University
Dugas, Tammy	LSU Health Sciences Center- Shreveport
Duraes, Renata	Tulane University
Durell, Gregory	Battelle
Easson, Greg	University of Mississippi, Mississippi Mineral Resources Institute
Ebong, Imeh	University of North Florida
Ekunwe, Nosa	Mississippi State University
Emeakpor, Samson	Jackson State University
Englande Jr., Andrew	Tulane University, Dept. of Environmental Health Sciences
Epley, Donald	University of South Alabama
Fang, Nicholas	Massachusetts Institute of Technology, Mechanical Engineering
Ferrara, Allyse	Nicholls State University
Fillhart, Diana	PNEUMA-Winds of Hope
Fisher, Diane	University of Louisiana-Lafayette
Fitzpatrick, Patrick	Jackson State University
Fletcher, Bobby	LSU AgCenter
Foil, Lane	Louisiana State University
Fontenot, Quenton	Nicholls State University
Forster, Michael	University of Southern Mississippi, College of Health
Forsyth, Craig	University of Louisiana-Lafayette
Frazer, Thomas	University of Florida
Fredericq, Suzanne	University of Louisiana-Lafayette
Fries, David	University of South Florida
Friloux, Clarice	United Houma Nation
Fuiman, Lee	University of Texas-Austin, Marine Science Institute

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Name	Affiliation
Fulfrod, Richard	University of Southern Mississippi
Fury, Sandi	Chevron
Galvez, Fernando	Louisiana State University
Galyean, Mark	University of Louisiana-Lafayette, Louisiana Small Business Development Center
Gang, Daniel	University of Louisiana-Lafayette
Gardner, Lara	Southeastern Louisiana University
Garrison, M. E. Betsy	LSU Ag Center
Gaude, Albert	LSU AgCenter/ Louisiana Sea Grant Program
Gershey, Jim	Louisiana Board of Regents
Gill, Duane	Oklahoma State University
Gillian, Wynn	Southeastern University
Glass, Gary	University of Louisiana-Lafayette
Goertzen, Chris	University of Southern Mississippi, College of Arts & Letters
Gomez, Marla	Nicholls State University
Gould, Frankie	LSU AgCenter, Oil Spill Task Force
Gouma, Pelagia-Irene (Perena)	SUNY-Stony Brook
Gourd, Jean	Louisiana Tech University
Gramling, Bob	University of Louisiana-Lafayette
Graves, Sara	University of Alabama-Huntsville
Grimes, Jay	University of Southern Mississippi
Guice, Leslie K.	Louisiana Tech University
Gumpert, Kenneth	Southeastern Louisiana University
Guo, Boyun	University of Louisiana-Lafayette
Guo, Junpeng	University of Alabama-Huntsville
Guo, Laodong	University of Southern Mississippi
Halanych, Ken	Auburn University
Hale, Jason	University of Mississippi
Hall, Audrey	LSU AgCenter
Hall, Callie	NASA
Hall, Cheryl	Southeastern Louisiana University
Hall, Steven	LSU AgCenter, Bio. and Ag. Engineering
Hamann, Mark	The University of Mississippi
Hamilton, Kathryn	LSU Health Sciences Center-Shreveport
Harpole, Sandra	Mississippi State University
Harville, Emily	Tulane University
Hayes, Donald	University of Louisiana-Lafayette
Hayworth, Joel	Auburn University
Hebert, Holly	Louisiana Universities Marine Consortium (LUMCON)
Heinemann, Dennis	Ocean Conservancy

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Name	Affiliation
Heitman, Catherine	
Henkel, Jessica	Tulane University
Highsmith, Raymond	University of Mississippi, National Institute for Undersea Science & Technology
Hines, Revathi	Southern University- Baton Rouge
Hofmeister, John	Citizens for Affordable Energy
Holton, Jill	Louisiana Board of Regents
Honeycutt, James	Louisiana State University
Hoo, Karlene	Texas Tech University
Hooper-Bui, Linda	Louisiana State University
Huang, Haosheng	Louisiana State University
Hughes, Robert	Jackson State University
Hunt, Carlton	Battelle
Husseneder, Claudia	LSU AgCenter, Entomology
Huynh, Minh	Southeastern Louisiana University
Irvin, Lurlene	Jackson State University
Isokpehi, Raphael	Jackson State University
Jaligama, Sridhar	University of Louisiana-Monroe
Jernigan, Susan	Louisiana Board of Regents
John, Vijay	Tulane University
Johnson, Alaraby	
Johnson, Jay	Southeastern Louisiana University
Johnson, Jessica	Tulane University, Homeland Security
Jones, Crystal	Tulane University, Homeland Security
Jones, Lindsey	LSUHSC School of Public Health
Kaliba, Aloyce	Southern University- Baton Rouge
Kane, Andrew	University of Florida
Karubian, Jordan	Tulane University
Kastler, Jessica	Gulf Coast Research Laboratory
Katzmeyer, Alan	Louisiana Tech University
Kee, David	McNeese State University
Kelley, Mary Lou	Louisiana State University
Kemp, Robert	University of Louisiana-Monroe
Kerr, Iain	Ocean Alliance
Khattab, Ahmed	University of Louisiana-Lafayette
Khonsari, Michael	Louisiana Board of Regents
Kiefer, John	University of New Orleans
King, Gary	Louisiana State University
Kilgen, Marilyn B.	Nicholls State University
Kim, Yung	Jackson State University
Kleiner, Anna	Southeastern Louisiana University

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Name	Affiliation
Kleinow, Kevin	Louisiana State University
Klemetson, Stanley	McNeese State University, Dept. of Engineering
Klerks, Paul	University of Louisiana-Lafayette, Department of Biology
Knight, Heather	Tulane School of Architecture
Knott, Carrie	LSU AgCenter
Kolker, Alex	Louisiana Universities Marine Consortium (LUMCON)
Kolluru, Ramesh	NIMSAT
Kordal, Richard	Louisiana Tech University
Kosar, Tevfik	Louisiana State University
Kuczaj, Stan	University of Southern Mississippi
Kura, Bhaskar	University of New Orleans
Kussmann, Kay	McNeese State University
La Peyre, Jerome	LSU Ag Center
LaCour, John	University of Louisiana, Picard Center for Child Development
LaFleur, Beth	University of Southern Mississippi
Lam, Nina	Louisiana State University, Dept. of Environmental Sciences
Langhinrichsen-Rohling, Jennifer	University of South Alabama
Langlinais, Julius	Louisiana State University, Craft & Hawkins Dept of Petroleum Engr.
Lasister, Stacy	Tulane University
Leberg, Paul	University of Louisiana-Lafayette
Lee, Jusang	SUNY- Stony Brook
Lee, Matthew	Louisiana State University
Lee, Sang	Southeastern Louisiana University
Lee, Shueh-Ji	Grambling State University
Lewis, Bonnie	Southeastern Louisiana University
Li, Chunyan	Louisiana State University
Li, Lin	Jackson State University
Li, Puxuan	McNeese State University
Li, Yadong	Jackson State University
Lin, Qianxin	Louisiana State University
Lindquist, Eric	Texas A&M University, Institute for Science, Technology & Public Policy - Bush School
Lindsay, Beverly	Dillard University
Linguist, Larry	BlueInGreen, LLC
Lirette, David	LSUHSC School of Public Health
Liu, Xinyu	Lamar University
Liu, Zhanfei	University of Texas-Austin, Marine Science Institute

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Name	Affiliation
Lochhead, Robert	University of Southern Mississippi
Lohrenz, Steven	University of Southern Mississippi
Lucas, Kelly	University of Southern Mississippi
Lundy, Lisa	Louisiana State University
Maceloni, Leonardo	University of Mississippi, Mississippi Mineral Resources Institute
Mahoney, Kevin	Louisiana Tech University
Maiti, Kanchan	Louisiana State University
Malisoff, Michael	Louisiana State University
Mason, Joseph	Louisiana State University
Massawe, Ephraim	Southeastern Louisiana University
Materne, Mike	LSU AgCenter
Matherne, Alan	LSU AgCenter
Mathies, Steve	LA Office of Coastal Protection & Restoration
Matsa, Myrna	The Jewish Federations of North America
Matthews, Roslyn Jane	Tulane University
Maxwell, Martin	Louisiana State University, Dept. of Environmental Science
McAnally, William	Northern Gulf Institute
McCarthy, Daniel	Southeastern Louisiana University
McCoole, Matthew	University of Louisiana-Monroe
McCormick, Charles	University of Southern Mississippi
McGhee, Bertina	LSU AgCenter, LCES, Orleans Parish
McGraw, Molly	Southeastern Louisiana University
McMahon, Benjamin	Los Alamos National Laboratory
McMartin, Kenneth	LSU Health Sciences Center- Shreveport
Mendelssohn, Irving	Louisiana State University
Merrill, Tom	LSU AgCenter
Meselhe, Ehab	University of Louisiana-Lafayette
Meyer, Sharon	University of Louisiana-Monroe, Department of Toxicology
Michot, Thomas	University of Louisiana-Lafayette, Institute for Coastal Ecology and Engineering (ICEE)
Middleton, Beth	Louisiana Universities Marine Consortium (LUMCON)
Misawa, Eduardo	National Science Foundation, CMMI/ENG
Mishra, Deepak	Mississippi State University
Mitchell, Tyrone	National Science Foundation, CHE/MPS
Mock, Nancy	Tulane University
Moersbaecher, Matt	Louisiana State University, PhD student
Moody, Ryan	Dauphin Island Sea Lab
Mopper, Susan	University of Louisiana-Lafayette

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Moreau, Robert	Southeastern Louisiana University, Turtle Cove Environmental Research Station
Morey, Steven	COAPS
Moss, Margo	Tulane University
Murray, Kermit	Louisiana State University
Nair, Udaysankar	University of Alabama-Huntsville
Naquin, Millie	Southeastern Louisiana University
Negatu, Zeleke	Louisiana State University-Alexandria
Nieland, David	Louisiana Sea Grant College Program
Ning, Zhu	Southern University, Urban Forestry Program
Niu, Huizhen	Louisiana State University
Norton, Nick	Southeastern Louisiana University
Null, Randal	Louisiana Tech University
Nyman, Andy	Louisiana State University
Nzewi, Emmanuel	Southern University- Baton Rouge
O'Connor, Robert	National Science Foundation, SES/SBE
Obih, Patience	Xavier University of Louisiana, College of Pharmacy
Oh, Joonseok	University of Mississippi
Ostrom, Nathaniel	Michigan State University, Department of Zoology
Overton, Ed	Louisiana State University
Ozhan, Koray	PhD student
Pal, Nabendu	University of Louisiana-Lafayette
Papadopoulos, Kyriakos	Tulane University, Department of Chemical & Biomolecular Engineering
Pardue, John	Louisiana State University
Parker, Geoffrey	Tulane University
Parvez, Sultan	Louisiana State University-Alexandria
Penn, Arthur	LSU Veterinary Medicine
Peres, Keith	LSUHSC School of Public Health
Petty, Mikel	University of Alabama-Huntsville
Phillips, Frank	McNeese State University
Pickering, Lloyd	University of Southern Mississippi
Pierce, Aaron	Nicholls State University
Pierce, Marla	Nicholls State University
Piller, Kyle	Southeastern Louisiana University
Plassmann, Florenz	Binghamton University (SUNY)
Poirrier, Gail	University of Louisiana-Lafayette, Dean, College of Nursing and Allied Health Professions
Poobal, Karthik	Louisiana Board of Regents
Portier, Ralph	Louisiana State University

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Name	Affiliation
Pratt, Lawrence	Tulane University, Department of Chemical & Biomolecular Engineering
Pride, Lora	Louisiana Universities Marine Consortium (LUMCON)
Pruett, Stephen	Mississippi State University, College of Veterinary Medicine
Pryor, Susan	Southeastern Louisiana University, School of Nursing
Purifoy, Sandra	Louisiana State University-Alexandria
Rabalais, Nancy	Louisiana Universities Marine Consortium (LUMCON)
Raghunathan, Vandana Varshini	Louisiana State University, Earth Scan Laboratory, School of Coast and Environment
Ramachandran, Balaji	Nicholls State University
Ramanujam, Jagannathan	Louisiana State University
Reddithota, Joshua Krupadam	Louisiana State University, Visiting Professor, Department of Chemistry
Reams, Margaret	Louisiana State University
Reed, Denise	University of New Orleans
Rehner, Tim	University of Southern Mississippi
Reilly, Caitlin	LSU AgCenter
Rice, Donald	National Science Foundation, OCE/GEO
Richardson, Grace	BlueInGreen, LLC
Richardson, Tom	Jackson State University
Richards-Zawacki, Cori	Tulane University
Roberts, Brian	Louisiana Universities Marine Consortium (LUMCON)
Robinson, Michael	Jackson State University
Robison, Carrie	Louisiana Board of Regents
Rota, Matt	Gulf Restoration Network
Roy, Amitava	Louisiana State University, Center for Advanced Microstructures and Devices
Roy, Somnath	Louisiana State University, Department of Mechanical Engineering
Russell, Thomas	National Science Foundation
Russin, John	LSU AgCenter
Ryan, Mark	LSU Health Sciences Center- Shreveport
Sammons, Tom	University of Louisiana-Lafayette
Sarder, MD	University of Southern Mississippi
Sasser, Diane	LSU AgCenter
Schulte, Benjamin	Tulane University
Seker, Christopher	DQSI, LLC
Sellers, Lois	
Selmic, Rastko	Louisiana Tech University
Sempier, Steve	Mississippi-Alabama Sea Grant Consortium

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Attendee List

Name	Affiliation
Sever, David	Southeastern Louisiana University, Department of Biological Sciences
Shank, Chris	University of Texas-Austin, Marine Science Institute
Shaw, Richard	Louisiana State University, School of the Coast & Environment
Shi, Lizheng	Tulane University School of Public Health and Tropical Medicine
Shiller, Alan	University of Southern Mississippi
Shotorban, Babok	University of Alabama-Huntsville
Sidorovskaia, Natalia	University of Louisiana-Lafayette, Department of Physics
Sims, Sara	Louisiana Board of Regents
Sinclair, Geoff	Louisiana Universities Marine Consortium (LUMCON)
Skelton, Gordon	Jackson State University
Sleeper, Sally	RAND
Smith, Duane	Nicholls State University
Smith, Emily	Louisiana State University
Smith, Eric	Tulane Energy Institute
Smith, James	University of Alabama-Huntsville
Sneddon, Joe	McNeese State University
Sobecky, Patty	University of Alabama
Sparks, Eric	Dauphin Island Sea Lab
Spivak, David	Louisiana State University, Professor of Chemistry
Stalnaker, Jack	University of Louisiana-Lafayette
Stephens, Brittany	Louisiana State University-Alexandria, Student
Stoesser, Thorsten	Georgia Institute of Technology
Stubblefield, Michael	Southern University- Baton Rouge
Suarez, Maria	Louisiana Universities Marine Consortium (LUMCON)
Sum, Amadeu	Colorado School of Mines
Sutor, Malinda	Louisiana State University
Tao, Jian	Louisiana State University, Center for Computation & Technology
Tarr, Matthew	University of New Orleans
Taylor, Andree	Southeastern Louisiana University, Department of Management
Taylor, Caz	Tulane University
Terrell, Dek	Louisiana State University
Thibodeaux, Louis	Louisiana State University
Thiyagarajah, Rani	Tulane University
Thomas, W. Kelley	University of New Hampshire
Thomasson, Timothy	Tulane University, Adjunct Faculty

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Thornton, Alma	Southern University- Baton Rouge
Topping, Sharon	University of Southern Mississippi
Tracy, Carrie	LSU Health Sciences Center- New Orleans
Twilley, Robert	University of Louisiana-Lafayette
Tzeng, Nian-Feng	University of Louisiana-Lafayette
Underwood, Lauren	CSC
Uppu, Rao	Southern University- Baton Rouge
Valverde, Roldan	Southeastern Louisiana University
van der Ham, Joris	Louisiana State University
Vedlitz, Arnold	Institute for Science, Technology and Public Policy
Venkateswaran, Uma	National Science Foundation
Vincent, Valerie	LSU AgCenter
Voegel, Phillip	Southeastern Louisiana University
Voyiadjis, George	Louisiana State University, Department of Civil & Environmental Eng.
Walker, Nan	Louisiana State University
Wang, Ping	University of South Florida, Department of Geology
Ward, Jonathan	University of Texas Medical Branch (retired)
Webb, Michael	University of Southern Mississippi
Wee, Jim	Loyola University- New Orleans
White, Helen	Haverford College
White, LuAnn	Tulane School of Public Health
White, Rebecca	Louisiana State University
Whitehead, Andrew	Louisiana State University, Department of Biological Sciences
Wickliffe, Jeffrey	Tulane University
Widdowson, Mark	Virginia Tech
Wielgus, Jeffrey	Ocean Conservancy
Wiesenburg, Denis	University of Southern Mississippi
Williamson, Derek	University of Alabama
Wilson, Tony	Louisiana Board of Regents
Wise, John	University of Southern Maine
Wu, Hongyi	University of Louisiana-Lafayette
Wu, Shaoen	University of Southern Mississippi
Wu, Wei	University of Southern Mississippi
Xia, Kang	Mississippi State University
Xu, Jun	Louisiana State University
Yantis, Brent	University of Louisiana-Lafayette
Yao, Lee	Loyola University- New Orleans
Yuan, Lu	Southeastern Louisiana University
Zappi, Mark	University of Louisiana-Lafayette

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Name	Affiliation
Zhang, Fumin	Georgia Institute of Technology
Zhang, Ning	McNeese State University
Zhang, Yixin	Texas State University-San Marcos
Zou, Enmin	Nicholls State University
Zumwalt, Gary	Louisiana Tech University

Floor Plan

New Orleans Marriott at the Convention Center