Linda M. Whiteford, Associate Vice President for Academic Affairs & Strategic Initiatives
Chair

Dr. Linda Whiteford is Associate Vice President for Academic Affairs and Strategic Initiatives in the Office of the Provost at the University of South Florida. Dr. Whiteford is a medical anthropologist specializing in global health policy, especially in the area of infectious and contagious diseases. Her work has taken her to Cuba, Mexico, Bolivia, Ecuador, Nicaragua, Guatemala, Costa Rica, Argentina, Cameroon, an Ghana, and she consulted for the World Bank, WHO and USAID. Her work on water-borne diseases has been used to shape policy and practice by the World Health Organization, the Pan American Health Organization, and the Global Health Forum, among other global health agencies. She is an active researcher and scholar, with two books published in 2009. She is a National Science Foundation-funded scholar whose research on disaster and recovery has been widely reproduced. She is a Past-President of the Society for Applied Anthropology (SfAA), and in 2008 was awarded the Women in Leadership Research Award for her contributions to women’s health. Dr. Whiteford was also Chair of the department of Anthropology and was elected to the USF Faculty Senate, and then the Executive Committee of the USF Faculty Senate.

A. Robert Brinkmann
Chair and Professor
Department of Geography

Robert Brinkmann has been working with the City of Clearwater in determining how best to develop approaches to reducing greenhouse gases and how to becoming a more sustainable city. His students are currently working on a greenhouse gas inventory for the city and examining building codes within the city to evaluate how they could be revised to improve energy efficiency. Brinkmann is passionate about developing community engagement projects that involve various stakeholders to solve environmental problems. His focus is at the city or community level and he is interested in developing Florida-specific approaches to solving environmental problems.

The Clearwater work evolved out of conversations with the city’s Environmental Task Force that was working to develop a city response to the Council of Mayor’s statement on climate change and the Governor’s climate change goals. He developed a course to evaluate several avenues that Clearwater could take to become more sustainable. Currently, there are several projects underway that began with this initial course. Brinkmann is the Chair of the Department of Geography which houses degrees in Environmental Science and Policy, Geography, and Urban and Regional Planning. The Department is also home to the USF Botanical Gardens and the College of Arts and Sciences Community Initiative Program. Brinkmann is also the Director of USF’s Center for Brownfields Redevelopment.

B. Sharon Hanna-West
Exide Distinguished Lecturer
University of South Florida
College of Business Administration
Sharon Hanna-West is the Exide Distinguished Lecturer at the University of South Florida College of Business Administration in Tampa, Florida. She is also a faculty associate for the USF Center for Entrepreneurship. She teaches several courses in the MBA programs including business ethics, environmental law and sustainability.

Hanna-West holds a Juris Doctor from the University of Florida where she focused on environmental law, and she later founded a corporation engaged in international trade. She began teaching at USF in 1992. She developed the Building Sustainable Enterprise track for the MBA program at USF which has produced many applied action research projects involving various business and disciplines. Hanna-West frequently gives presentations about teaching ethics and sustainability, and business sustainability in general. She has appeared on television and spoken on radio talk shows, and she has coordinated and participated in various seminars and symposia. She is the recipient of numerous teaching awards.

Sharon Hanna-West is very active in growth and sustainability issues throughout the region.

Sharon believes the key to meeting the challenges posed by climate change is to actively engage business in the process, and that the key to involving business is to find ways to make sustainable practices affordable and, whenever possible, profitable. She coordinated the first Building Sustainable Enterprise symposium at USF in April, 2006 which brought many bay area businesses into a dialogue about sustainability. That expanded into a multi-discipline business sustainability symposium in 2007. In April, 2008 she and others at USF formed a committee and partnered with the Hillsborough City/County Planning Commission to host the first Getting Green by Going Green business sustainability expo at the USF Sun Dome, attracting over 3,000 attendees. The event showcased green businesses, green business practices, faculty research related to sustainability and student projects to the area public, and created significant opportunities for networking and community engagement.

Spring 2008 Action Research Project:

This year Dr. Hanna-West teamed up with Dr. Robert Brinkman in Geography and Environmental Science and Policy to combine their masters level classes on a common project focused on land management of large tracts of privately held land and reconciling the competing interests in land. The Lykes Group provided a living classroom by allowing the 340,000 acre Lykes Ranch to serve as a subject for study. Students examined various policy options that are available and suggested potential new policies that could be designed to promote sustainable use of the land. Specifically, they looked at issues in:

- sustainable tourism
- sustainable agriculture
- water management
- wildlife management
- sustainable growth (sustainable urbanization)

They worked on making a business case for sustainable land uses for the landowners, the surrounding communities and the state. They reviewed present programs such as the Rural Land Stewardship Program and Florida Forever, as well as other solutions utilized throughout the U.S. and abroad. The students compiled an extensive resource manual which can be used by the
public and which will be supplemented by future classes as we continue to try to develop solutions for a sustainable Florida.

C. Sara J. Hendricks
Senior Research Associate
Center for Urban Transportation Research
College of Engineering

Sara J. Hendricks, AICP, has worked in the area of Florida growth management policy and transportation demand management (TDM). TDM is a set of policy strategies that increases the efficiency of the existing transportation system for the purpose of reducing the need to build more roads and dependency on car travel. The end result is reduced use of fossil fuels, cleaner air, less traffic congestion, public cost savings and better mobility. TDM influences travel behavior by shifting travel mode, travel time of day and day of week, travel frequency, trip length and route, and travel cost. Ms. Hendricks has worked as Senior Research Associate at the USF Center for Transportation Research (CUTR), College of Engineering, which is one of eleven Tier I University Transportation Centers in the United States, as designated by the Federal Transit Administration. While at CUTR, she has completed numerous projects relating to mobility enhancement and institutional arrangements that advance the development of a multimodal transportation system. For example, Ms. Hendricks has worked in the area of bicycle transportation, completing the original feasibility study for Miami-Dade County to provide bike-on-bus service. Since the study in 1993, this has been successfully implemented not only in Miami-Dade but many other Florida municipalities. The result is enhanced transit connectivity at the origin and destination of travel for bus riders and enhanced transit ridership. In 1994, she started the University North Transportation Initiative, which is a public private partnership that engages local community leaders to jointly address transportation issues in the University North area of Tampa. This successful public private partnership has brought together leaders from Busch Gardens, University Mall, James A. Haley Veterans Hospital, USF, and local governments as a team. The partnership continues today under the name New North Transportation Alliance. Ms. Hendricks was Principal Editor of *The TMA Handbook: A Guide to Successful Transportation Management Associations* and she conducted the 2003 Survey of Transportation Management Associations in the United States and Canada, both of which are widely cited and used in the development of transportation public private partnerships nationally and internationally. In 2006, Ms. Hendricks was sent to Belgium, expenses-paid courtesy of the European Commission, to help policy makers craft a mobility management research program for major cities in the European Union.

Ms. Hendricks has also researched the relationship between growth management law in Florida and public transit. Specifically, her work for Tri-Rail resulted in changes to Florida transportation concurrency law exempting public transit facilities from highway concurrency. This has aided the development of public transit in Florida. Ms. Hendricks has also researched how multimodal transportation considerations can be successfully implemented through the local land
development process, including Florida’s Developments of Regional Impact. Ms. Hendricks has developed recommendations for adapting transit oriented development (TOD) concepts to existing suburban land use patterns in Florida to enable communities to use transit more effectively. She has developed a research design to measure the impact of TOD on transit ridership. Currently, she is studying the mobility problems of senior citizens in Florida. Her work has been published in the peer-reviewed journal of the Transportation Research Board of the National Academies and in the Journal of Public Transportation. Ms. Hendricks’s work of the past five years has been sponsored by the Florida Department of Transportation with funding from the National Center for Transit Research. Ms. Hendricks holds a Master of Regional Planning degree from the University of North Carolina at Chapel Hill. She has been a resident of Florida since 1992. Prior to 1992 she worked in private consulting in Raleigh, NC and in Philadelphia.

D. Daniel Yeh  
Assistant Professor  
Civil and Environmental Engineering  
Education and Research Related to Green Buildings and the Water/Energy Nexus

Dr. Daniel Yeh, Assistant Professor of Civil & Environmental Engineering and Faculty Research Fellow of the Dr. Kiran C. Patel Center for Global Solutions, is one of the faculty members leading the effort on green building awareness, education, practice and research at USF. During Summer 2007, he and others helped found the interdisciplinary Emerging Green Builders, the USF student chapter of the US Green Building Council (USGBC). In Oct. 2007 the group organized a highly successful “A conversation on Green Building” panel discussion attended by over 200 students, faculty, staff and community guests. In November 2007, he submitted the application for USF to become a member of the USGBC. He has been intimately involved with the programming development, design/build selection and design of the new building of the Patel Center for Global Solutions, to be the first LEED certified building on the USF Tampa campus. During Spring Semester 2008, he developed a new interdisciplinary course - Green Infrastructure for Sustainable Communities, with course objectives on infrastructure management, green design and sustainability. The course framework was the USGBC’s Leadership in Energy and Environmental Design (LEED) process. Through team projects, students learned the green building process by conducting LEED assessment, involving different rating systems, on actual client sites in the Tampa Bay area. The projects were: 1) an office/visitor center at an agricultural research site in Manatee County; 2) USF Sun Dome; 3) Museum of Science and Industry, MOSI; 4) Learning Gate Community School, the nation’s first LEED Platinum school; 5) a planned residential community in Lutz; and 6) the Patel Center building. Students presented their recommendations via oral and poster presentations at the April 2008 Sustain-a-Bull event at USF. A post-course survey revealed that a large number of students were so energized by the course that they have identified green building to be their career path and will take the LEED Accredited Professional (AP) examination this summer.

On the research side, Dr. Yeh is interested in the water/energy nexus in the built environment, the embodied energy of water, as well as sustainable infrastructure for urban water systems. An area of specific research interest is the recovery of renewable energy from wastewater through innovative technologies based on membrane separation and biotechnology. There is a significant amount of potential energy stored within the waste organic matter in wastewater. If the right types of technology and infrastructure are employed, wastewater treatment can
potentially be energy neutral or even energy surplus. Using a process called the anaerobic membrane bioreactor (AnMBR), Yeh is exploring ways to recover energy, fertilizer and clean water from sewage or other organic waste stream; essentially a sustainable reuse of a waste product of every society. The AnMBR technology has immense potential in urban environments, decentralized infrastructure and green buildings, for both the US and the developing world. Dr. Yeh was recently invited to attend an expert panel discussion on Global Sustainable Water Systems: Acknowledging Wastewater as a Resource at the University of Michigan and presented on the topic of “energy from wastewater.” He and his students are also developing a mathematical model to capture the flow of water and energy throughout a green building. The ultimate objective is to develop a tool for the USGBC or other agencies to aid in the design of future green buildings. More information on Dr. Yeh’s green building activities, including video streams to the green building panel discussion and student presentations, can be found at [http://mbr.eng.usf.edu/greenbuilding/](http://mbr.eng.usf.edu/greenbuilding/)

E. Barbara S. Donerly, RA, AICP, LEED AP
Assistant Director
Facilities Planning and Construction

Barbara Donerly, RA, AICP, LEED AP is an Assistant Director at Facilities Planning and Construction at the University of South Florida. Ms. Donerly is a graduate of the University of Houston, magna cum laude, a Registered Architect (RA), member of the American Institute of Certified Planners (AICP), the Society for College and University Planners (SCUP), The American Planning Association (APA) a charter Advisory Board Member of the University North Transportation Alliance (NTTA) and is an accredited professional with the US Green Building Council through Leadership in Energy and Environmental Design (LEED AP). Ms. Donerly is an advisor to the USF Campus Development Committee, Research Support Services Team, and has been appointed to the state-wide Board of Governors Campus Master Plan Advisory Group.

Her work has included development of the Campus Master Plan and project budgeting for the annual Capital Improvement Plan (CIP). She has worked on almost every USF campus improvement project in one capacity or another since 1992. As a result of her work on the Campus Master Plan, she is involved in sustainable campus planning components such as future land use, academic and support facilities, infrastructure, stormwater retention, traffic, transit, parking, athletic & recreational facilities, housing, sustainability, safety/security, conservation, landscape, project budgeting, space inventory, and many other issues.

Ms. Donerly has been integrally involved with the next two USF projects to seek LEED certification in sustainability: Dr. Kiran Patel Center for Global Solutions and the first phase of the new USF Polytechnic campus in Lakeland. Each year Ms. Donerly speaks to many USF and community groups regarding the planning and growth of the USF campus, including this year’s first Sustain-a-Bull conference.

F. Siva T. Prakash
Associate Director
Physical Plant Division

Siva Prakash has been working with the University of South Florida for over 20 years and has an extensive background and experience in facilities management and information technology. He
has also designed and developed numerous building control systems that save energy and valuable monetary resources. Prakash has also served as the Energy Management Coordinator for the University. In this role he chaired the University’s Energy Conservation Committee. He also served as the Emergency Operations Coordinator for the university.

Prakash possesses a Bachelors degree in Electrical Engineering from University of Madras, a Bachelors Degree in Computer Engineering from University of South Florida and a Masters Degree in Management from University of South Florida. He is also a certified Facilities Management Administrator.

Prakash has provided leadership for the following conservation/sustainability initiatives:

- Recycling program for USF which has saved approximately $140,000 while saving the environment.
- Green Lights program – a voluntary agreement signed by USF with the EPA, to modify all lighting in all campus facilities to higher efficiency systems, including T-8 fluorescent lamps with electronic ballasts, motion activated lighting in classrooms and conference rooms, dimmable compact fluorescent lamps, elimination of incandescent lamps, installation of parabolic louver fixtures, installation of high pressure sodium lighting for walkways, high efficiency EXIT signs, etc. This program annually saves USF over $1.5 million in electricity cost.
- Replacement of old inefficient absorption Chillers with high efficiency centrifugal chillers
- Replacement of old inefficient boilers with high efficiency boilers
- Installation of heat pipe heat recovery systems that recycle energy from exhaust streams back into the facilities.
- Design and Installation of controls systems that automate and efficiently operate the university’s buildings and its systems
- Design and Installation of control systems that automate and efficiently operate the university’s central utility plants

G. Delcie Durham, Ph.D.
Professor
Mechanical engineering
College of Engineering

More information will be provided in the near future.