

**Proposed Symposium for 239th Meeting ACS Meeting in
San Francisco, CA (March 22-25, 2010)**

Title: Sustainable Processes for Drinking Water and Wastewater Treatment

The proposed symposium seeks new and innovative research applications that focus on processes for improving the sustainability of water resources, including those pertaining to providing safe drinking water and treatment of wastewater. Areas influenced by research relating to these topics include public health protection, innovations or improvement relating to water infrastructure, water quality and quantity priorities, recycling of “gray water” for optimal usage, and similar sustainability issues both nationally and internationally. In addition, external pressures driving this need to improve sustainability include emerging contaminants and pathogens, climate change, watershed encroachment, aging drinking water infrastructures, and population growth.

Appropriate topics in this session include but are not limited to the following: evaluation of the effectiveness and sustainability of drinking water and wastewater treatment technologies (e.g., membrane filtration, ultraviolet radiation, oxidation, carbon adsorption, slow and rapid sand filtration); mechanisms for removal of contaminants and pathogens from water and wastewater and implications on public health; innovative usage and provision of potable water; sustainability indicators for drinking water and wastewater treatment; life cycle assessment of drinking water and wastewater treatment technologies; and novel approaches to evaluate the sustainability of drinking water and wastewater technologies.

Symposium Organizers:

Clayton J. Clark II, Ph.D., Civil and Environmental Engineering Department, Florida Agricultural and Mechanical University; FAMU-FSU College of Engineering, 2525 Pottsdamer Street, Tallahassee, FL 32310; Phone: 850-410-6122, Email: clayton.clarkii@famu.edu.

Adrienne T. Cooper, Ph.D., PE, Associate Professor, Biological and Agricultural Systems Engineering; Florida Agricultural and Mechanical University; 1740 S. Martin Luther King Jr. Blvd.; 307 N. Perry-Paige Bldg.; Tallahassee, FL 32307; Phone: 850-412-5005; E-mail: adrienne.cooper@famu.edu

Angela S. Lindner, Ph.D., Associate Dean, Division of Student Affairs College of Engineering Associate Professor, Environmental Engineering Sciences, University of Florida, P.O. Box 116550, Gainesville, Florida 32611-6550, Phone: 352-392-2177 x1026, Email: alind@eng.ufl.edu.