**List of External Experts for the GBEP AG6 “Bioenergy and Water” (part II)**

**Dale Robertson**

Research Hydrologist (Biogeochemistry)

Wisconsin Water Science Center

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Dale Robertson is a Research Hydrologist with the U.S. Geological Survey, Wisconsin Water Science Center, in Middleton, WI. He received his M.S. and Ph.D. in Oceanography and Limnology at the University of Wisconsin-Madison, and was a Post-Doctoral Research Fellow at the University of Western Australia. His current research with the USGS deals with estimating loads and concentrations of nutrients in streams over large geographic areas, such as the Great Lakes and Mississippi River Basins, developing nutrient criteria for streams and rivers, modeling mixing and eutrophication in lakes, and examining the effects of climate change on the physical dynamics, ice cover, and productivity of lakes. Dale is an Adjunct Professor at the University of Wisconsin-Green Bay, Michigan Technological University, and University of Toledo, and he is also an Honorary Fellow with the Center for Limnology at the University of Wisconsin-Madison.

**May Wu**

Team Leader, Water Analysis; Principle Environmental System Analyst

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May Wu is the Principal Investigator for water sustainability analysis in biofuel production. Her research focuses on water use, water quality and water availability as related to the development of conventional fuel, electricity, emerging fuels and life cycle analysis. Wu currently leads an effort to develop tools to better understand the water footprint of biofuels produced from starch, cellulosic, oil seeds, and algae. She also heads a project applying watershed modeling for the Mississippi River basin using a Soil Water Analysis Tool. She has extensive experience in the areas of water treatment, wastewater treatment, online monitoring of anaerobic biological processes, microbial-induced corrosion, fermentation and membrane separation. Before joining Argonne in 2004, Wu was a Senior Research Microbiologist at Nalco Company. She holds several U.S. patents, has authored or co-authored 40 publications and has a dual Ph.D. in Environmental Engineering and Environmental Toxicology from Michigan State University.

**Yiping Wu**

Scientist, Hydrology and Ecology

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Dr. Yiping Wu is a Senior Scientist at ASRC Federal, contractor to USGS EROS Center. His research interest focuses on water resources, watershed hydrology, nonpoint source pollution, climate and land-use changes, carbon dynamics (greenhouse gas emissions), sustainability of bioenergy development, data assimilation, etc.

During his PhD study in the University of Hong Kong, Yiping participated in an NSF of China and Hong Kong Research Grants Council (RGC) Joint Research Scheme (*Integrated physical and ecological management of rivers - with particular reference to the East River*). Since November 2009, Dr. Wu, as the primary working force, has completed a NASA-sponsored bioenergy project (*Integrated modeling of future agricultural change in the Northern Great Plains: biophysical potential, sustainability, and environmental consequences*) which is to develop new knowledge of potential impacts of climate change and land use change (biofuel production alternatives) on water quantity/quality. Dr. Wu, as a core member, also participates in a Department of Interior (DOI)-sponsored project (*Assessment of biological carbon sequestration potential and reduction of N2O and CH4 emissions in the United States*) to assess carbon dynamics on landscapes at national scale. In this team work, Dr. Wu has been working with the development and applications of highly complex and interdisciplinary knowledge-based ecological models to simulate major greenhouse gas emissions from U.S. lands and watersheds. Dr. Wu also serves a USGS-sponsored project (*Performing data assimilation procedures to investigate carbon cycling processes, modeling, and uncertainty*) for evaluating the water and carbon fluxes/exchanges between lands and atmosphere using data assimilation techniques, flux tower-based measurements, and remotely-sensed data at site/regional scales. In the field of environmental research, Dr. Wu has published several high-impact papers in renowned international journals over the past years.

Yiping holds a Bachelor of Engineering degree (2001) and a Master of Engineering degree (2004) from Xi’an University of Architecture & Technology, and a Doctorate of Philosophy degree (2009) from The University of Hong Kong.