



The Source – Spring 2010  
Newsletter of the Water Resources Specialty Group  
Association of American Geographers

## Message from the Chair

Greetings:

The 2010 annual AAG meeting in Washington D.C. is fast approaching. Our Water Resources Specialty Group (WRS G) has organized and sponsored 24 sessions with a range of attractive topics. I strongly recommend attending these sessions to guarantee optimal benefit from your participation in the AAG annual meeting, and to support our distinguished group.

Within the AAG 2010 meeting, the WRS G will also organize two main events: The Distinguished Career Award Ceremony, and a Business Meeting. We will have the Ceremony right before our Business Meeting on Friday, April 16, at 8 p.m. in Marriott Wardman Park Hotel, Washington, D.C. Within the WRS G Business Meeting, we will discuss WRS G matters, and recognize our student paper competition awards and travel grants. Your participation in the meeting is highly appreciated, so please come to our award ceremony and meeting to see old and new friends, and to have a good time afterwards at a nearby pub.

Our WRS G Distinguished Career Award in Water Resources goes to Dr. Gerald E. Galloway, an outstanding geographer and co-founding member of our WRS G. Dr. Galloway has made many long-lasting important contributions to advancing water resources science, planning, and policy during his distinguished career. He served in many capacities, including as a civil engineer, public administrator, soldier, educator, and geographer. Congratulations, Dr. Galloway, as fellow members of the WRS G, we are so proud of your leadership and outstanding services in enhancing water resources management and sustainability on national and international stages.

I look forward to seeing all of you all at the AAG meeting Washington D.C. soon.

Dr. Chansheng He, Professor  
Chair, Water Resources Specialty Group  
Department of Geography  
Western Michigan University  
Kalamazoo, MI 49008-5424

## The Biography of Dr. Gerald E. Galloway, Jr.

Dr. Gerald E. Galloway, Jr., University of Maryland, is the 2010 recipient of the Water Resources Specialty Group's Distinguished Career Award. Dr. Galloway has been highly effective in pursuing his water resources research agenda; indeed he is one of the major players in water resources in the United States. He is the epitome of the applied scientist, bridging the divide that sometimes exists between academic research and practical applications. As a civil engineer, public administrator, soldier, educator, and geographer, Dr. Galloway has provided leadership and advancement in the water resources field from a truly interdisciplinary perspective. As a result, he has made many significant contributions to geography, especially water resources. He has influenced academic thought on water resources; influenced federal policies; and has been an ardent supporter of community engagement.

During his career, Dr. Galloway has served as a Professor, Department Head, and Dean at several academic institutions. He is currently the Glen L. Martin Institute Professor of Engineering, a Research Professor, and an Affiliate Professor of Public Policy at the University of Maryland. He has been a prolific scholar, publishing his research in a range of journals, including *International Journal of River Basin Management*, *Ground Water*, and *The Journal of Water Resources Planning and Management*. However, it is in the public service field that Dr. Galloway has truly distinguished himself and gained his rich and international reputation. For instance, he was appointed by President Clinton as the Executive Director of the Interagency Floodplain Management Task Force following the 1993 Mississippi River floods, Secretary of the US Section of the International Joint Commission, and is currently a member of the Louisiana Governor's Advisory Commission on Coastal Protection, Restoration, and Conservation, to name a few. The first of these resulted in a landmark report, commonly referred to as "The Galloway Report," attesting to the impact of his leadership. He is a courageous scholar who tackles tough issues and takes the right stand moving from the safe haven of academia to the often dangerous paths of policy and politics as needed. As an example, one person who wrote in support of Dr. Galloway's nomination noted, "He doesn't just characterize the moral hazard associated with levees and other structural approaches to risk reduction, but engages in the hurly-burly of the political process to reduce it."

Dr. Galloway has won numerous awards, including the Warren Hall Medal, from the Universities Council on Water Resources, the John Wesley Powell Award from the US Geological Survey, and the Goddard-White Award from the Association of State Floodplain Managers. It is only fitting that he has also been chosen to receive the Distinguished Career Award from the WRSG, particularly since he was instrumental in the Specialty Group's formation. The award will be presented at the Specialty Group Business Meeting, Friday, April 16 at 8 PM in the Coolidge Room on the Marriott Mezzanine Level.

## Members' News

Dr. Chansheng He, Professor of Geography, Western Michigan University was selected for a Fulbright Specialists Award. He visited Shanghai Jiaotong University, one of the top ten universities in China during Dec. 2-23, 2009. While in China, he gave lectures and workshops on nonpoint source pollution, hydrologic modeling, and U.S. water resources policy, and consulted on the environmental science/water resources curricula at Shanghai Jiaotong University, Lanzhou University, and the Chinese Academy of Sciences. He also received an Outstanding Achievement Award in collaborative research from The Chinese Academy of Sciences Cold and Arid Regions Environmental and Engineering Research Institute (CAREERI). Dr. He is one of over 400 U.S. faculty and professionals who traveled abroad in 2009 through the Fulbright Specialists Program. The Fulbright Specialists Program, created in 2000 to complement the traditional Fulbright Scholar Program, provides short term academic opportunities to prominent U.S. faculty and professionals to support curricular and faculty development and institutional planning at post-secondary, academic institutions around the world. Recipients of Fulbright Scholar awards are selected on the basis of academic or professional achievement.

Heejun Chang, Associate Professor of Geography, Portland State University has been selected as one of the Outstanding Reviewers for Journal of Hydrology for 2009. His paper titled "The effects of climate change and urbanization on the runoff of the Rock Creek in the Portland metropolitan area, OR, USA," coauthored with a former student Jon Franczyk has been selected as Editor's choice of top 10 articles in Hydrological Processes. He also has the following articles either recently published or in press.

Praskievicz, S. and Chang, H. (2009) A review of hydrologic modeling of basin-scale climate change and urban development impacts, *Progress in Physical Geography* 33(5): 650-671.

Chang, H. Lafrenz, M. Jung, I-W., Figliozzi, M., Platman, D. and Pederson, C. (in press) Potential impacts of climate change on flood-induced travel disruption: A case study of Portland in Oregon, USA. *Annals of the Association of American Geographers*.

Praskievicz, S. and Chang, H. (in press) Impacts of climate change and urban development on water resources in the Tualatin River basin, Oregon. *Annals of the Association of American Geographers*.

House-Peters, L, Pratt, B. and Chang, H. (in press) Effects of urban spatial structure, sociodemographics, and climate on residential water consumption in Hillsboro, Oregon, *Journal of the American Water Resources Association*.

Dr. William James Smith, Jr., Assistant Professor in Environmental Science and Public Affairs at the University of Nevada-Las Vegas (UNLV), is the Policy and Outreach Component PI for three universities for an NSF grant. The award is \$15 million over 5 years and is titled, "Nevada Infrastructure for Climate Change Science, Education, and Outreach." The award supports multidisciplinary collaboration between UNLV, University of Nevada, Reno, and the Desert Research Institute. The \$2.5 million "Policy and Outreach Component" he heads funds 5 faculty members and 5 graduate students, and has allowed Dr. Smith to newly equip his Climate Change Research Lab and GISRS Lab this year.

Dr. Smith, Jr., Dr. Zhongwei Liu, and Mr. Ahmad Safi, each of which are members of the AAG and WRSR, have completed surveys of Nevada ranchers and farmers regarding climate change risk perception and policy preferences. 1,892 surveys were mailed to nearly all Nevada ranchers and farmers, a highly difficult group for academicians to communicate with, with a first-pass response rate of 17%.

Follow-up plans are being devised. Preliminary data shows that a majority of Nevada ranchers and farmers are willing to install more fuel efficient house appliances and light bulbs, and drive fuel efficient cars, though a very tiny minority are willing to use public transportation. On the other hand, a majority of Nevada ranchers and farmers support developing renewable energy resources, and a significant minority support forcing car companies to produce more fuel efficient cars. However, only a small percentage of Nevada ranchers and farmers support policies that include taxing corporations, gas and citizens to mitigate climate change.

Within the same NSF project, Dr. Smith, Dr. Karletta Chief (Native American), and Mr. Safi have also surveyed Nevada Native Americans regarding climate change. Within the framework of Community Based Participatory Research (CBPR, which emphasizes building trust between the community and the researchers), the researchers visited three NV Native American tribes, including, Pyramid Lake, Summit Lake and Fort McDermitt. The researchers performed outreach with chiefs, tribal council members, and the environmental leaders of the tribes. Moreover, the researchers participated in a Native American Environmental Managers meeting as a way to reach environmental leaders.



Summit Lake, one of the most isolated tribal lakes in the U.S.



Pyramid Lake, a highly culturally significant lake for Nevada Northern Paiutes.

Joseph Hoover, a PhD student in the Department of Geography at the University of Denver, was selected for a fellowship to the 2010 Summer Institute: Water and People. This program is supported by a grant through the National Science Foundation through the Northeast Consortium for Hydrologic Synthesis. The program runs from June 1 through July 16, 2010, and is hosted by City College CUNY.

Ben Witherell, a doctoral candidate at Montclair State University, participated in the second Summer Synthesis Institute organized by the Northeast Consortium for Hydrologic Synthesis and directed by Dr. Charles Vörösmarty. Begun in 2008, the Summer Synthesis Institute brings together 8 to 12 graduate students from diverse fields and backgrounds with one or more post-docs, several faculty mentors and a number of visiting scholars for a six-week in-residence collaborative and intensive research project. The 2009 Summer Synthesis Institute brought together 12 graduate students from diverse disciplines (geography, environmental engineering, hydrology, history, American studies, geomorphology, economics, and landscape ecology) and all parts of the US (along with one from the Czech Republic) under the guidance of two post-docs and several faculty mentors. The Institute was housed on the campus of City College of New York, part of the City University of New York system. Five papers resulting from research

begun at the Institute in 2009 will be presented at the Annual AAG meeting in Washington, DC. Session 5405, “Understanding historical human interactions with the hydrologic cycle,” co-sponsored by the WRSG.

## 2010 AAG Annual Meeting - WRSG’s Sessions

Session Name	Date	Time	Location
Politics of river water resources	4/14/10	10:00 – 11:40 AM	Forum, Omni Shoreham
Interdisciplinary perspectives on environmental justice in New Mexico	4/14/10	12:40 – 2:20 PM	Empire, Omni Shoreham
Managing the quality of our waters in a changing world: Land-use and climate change issues - I	4/14/10	2:40 – 4:20 PM	Hoover, Marriott Mezzanine Level
Managing the quality of our waters in a changing world: Land-use and climate change issues - II	4/14/10	4:40 – 6:20 PM	Hoover, Marriott Mezzanine Level
Environmental systems of small lakes and ponds in the Appalachian region	4/15/10	10:00 – 11:40 AM	Maryland Suite C, Marriott Lobby Level
Environmental change and water resources on tropical mountains	4/15/10	12:40 – 2:20 PM	Maryland Suite C, Marriott Lobby Level
Application of remote sensing in land surface hydrological studies	4/15/10	2:40 – 4:20 PM	Nathan Hall, Marriott Lobby Level
Hydroclimatology I	4/16/10	8:00 – 9:40 AM	Thomas Paine, Marriott Lobby Level
Hydroclimatology II	4/16/10	10:00 – 11:40 AM	Thomas Paine, Marriott Lobby Level
Environmental concerns and water issues in South Asia	4/16/10,	10:00 – 11:40 AM	Park Tower 8222, Marriott Lobby Level
Multi-scale assessments in water resources: Basic challenges in current research	4/16/10	10:00 – 11:40 AM	Park Tower 8210, Marriott Lobby Level
Across borders: Moving toward sustainable resource management at the nexus of water, climate, environment, and governance in the Americas	4/16/10	2:40 – 4:20 PM	Embassy, Omni Shoreham
Human impacts on watershed processes 1 - Hydrological processes	4/16/10	12:40 – 2:20 PM	Washington Room 1, Marriott Exhibition Level
Human impacts on watershed processes 2 - Fluvial geomorphic processes	4/16/10	2:40 – 4:20 PM	Washington Room 1, Marriott Exhibition Level
Human impacts on watershed processes 3 - Ecological and geochemical processes	4/16/10	4:40 – 6:20 PM	Washington Room 1, Marriott Exhibition Level
Climate change and water resources: From impact assessment to adaptation I	4/17/10	8:00 – 9:40 AM	Marriott Ballroom Balcony B, Marriott
Climate change and water resources: From impact assessment to adaptation II	4/17/10	10:00 – 11:40 AM	Marriott Ballroom Balcony B, Marriott
Land use change and watershed assessment I	4/17/10	10:00 – 11:40 AM	Maryland Suite A, Marriott Lobby Level
Land use change and watershed assessment II	4/17/10	12:40 – 2:20 PM	Maryland Suite A, Marriott Lobby Level
Land use change and watershed assessment III	4/17/10	2:40 – 4:20 PM	Maryland Suite A, Marriott Lobby Level
Land use change and watershed assessment IV	4/17/10	4:40 – 6:20 PM	Maryland Suite A, Marriott Lobby Level
Water, energy, and global change	4/18/10	8:00 – 9:40 AM	Johnson, Marriott Mezzanine Level
The political geographies of river basin management	4/18/10	10:00 – 11:40 AM	Washington Room 1, Marriott Exhibition Level
Understanding historical human interactions with the hydrologic cycle	4/18/10	2:00 – 3:40 PM	Ethan Allen, Marriott Lobby Level

## Current WRSJ Officers and Other Contacts

Position	Name	Term Expires	Email Address
<b>Executive Board</b>			
Chair	Chansheng He	2010	<a href="mailto:he@wmich.edu">he@wmich.edu</a>
Secretary/Treasurer	William J. Smith	2010	<a href="mailto:bill.smith@unlv.edu">bill.smith@unlv.edu</a>
Director	Anya Butt	2011	<a href="mailto:butta@central.edu">butta@central.edu</a>
Student Director	Sya Buryu Kedzior	2011	<a href="mailto:syakedzior@gmail.com">syakedzior@gmail.com</a>
Director	Shixiong Hu	2010	<a href="mailto:shu@po-box.esu.edu">shu@po-box.esu.edu</a>
<b>Awards Committee</b>			
Chair	Laura Stroup	2010	<a href="mailto:ljStroup@txstate.edu">ljStroup@txstate.edu</a>
Committee Member	Richard Earl	2010	<a href="mailto:re02@txstate.edu">re02@txstate.edu</a>
Committee Member	Karmal Alsharif	2010	<a href="mailto:kalsgari@cas.usf.edu">kalsgari@cas.usf.edu</a>
<b>Other Positions</b>			
Past President	Martin C. Roberge	2008	<a href="mailto:mroberge@towson.edu">mroberge@towson.edu</a>
Web Editor	Shixiong Hu	Appointed	<a href="mailto:shu@po-box.esu.edu">shu@po-box.esu.edu</a>
Newsletter Editor	Ahmad Safi	Appointed	<a href="mailto:asafi74@yahoo.com">asafi74@yahoo.com</a>



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