



Water@UWMadison: A Wisconsin Idea Symposium May 11, 2015

Speaker	Time	Department/Affiliation	Title	Email
INTRODUCTION (8:15-8:40)				
Steve Ackerman	8:15	Associate Vice-Chancellor of Research and Graduate Education	Water and cross-campus collaborations	stevea@ssec.wisc.edu
Steve Carpenter	8:20	Limnology and Zoology	Water@UW-Madison: A bird's eye overview	steve.carpenter@wisc.edu
Jake Vander Zanden	8:35	Limnology and Zoology	Objectives for the day	mjvanderzand@wisc.edu
SESSION I (8:40-10:00)				
Samer Alatout	8:40	Community & Environmental Sociology	Water science, politics, and history in Palestine 1850-2014	snalatout@wisc.edu
Marc Anderson		Environmental Chemistry & Technology	Cleaning Water and Storing Energy: Capacitive Deionization	nanopor@wisc.edu
Patrick Krysan		Genome Center of WI and Horticulture	Fishing for DNA: Characterizing fish communities by counting DNA molecules in a lake	fpat@biotech.wisc.edu
Jean Bahr		Geoscience	Preferential flow in the Cambrian-Ordovician sandstone aquifer of the Upper Midwest	jmbahr@geology.wisc.edu
Paul Block		Civil & Environmental Engineering	Tailoring climate information for water resources management	pblock2@wisc.edu
Robert Bohanan	9:00	Wisconsin Institute Science Education	Citizen Science, Urban Limnology and Dragonflies: A New Paradigm of Participatory Science	rbohanan@wisc.edu
Eric Booth		Agronomy and Civil & Environmental Engineering	From wetland hydroecology to watershed sustainability science	egbooth@wisc.edu
Michael Cardiff		Geoscience & Geological Engineering	Groundwater Protection in the 21st Century	cardiff@wisc.edu
Gene Clark		University of Wisconsin Sea Grant Institute	UW-Sea Grant's Coastal Engineering Research & Extension	grclark@aqua.wisc.edu
Michael Ferris		Computer Sciences & Wisconsin Institute for Discovery	Using extended mathematical programming for water rights modeling	ferris@cs.wisc.edu
Ken Genskow	9:20	Urban & Regional Planning	What's so exciting about farmer-led watershed councils?	kgenskow@wisc.edu
Matthew Ginder-Vogel		Civil & Environmental Engineering	What's water got to do with it?	mgindervogel@wisc.edu
Laura Good		Dept Soil Science	Runoff Phosphorus Load Reductions in an Agricultural Watershed	lwgood@wisc.edu
Madeline Gotkowitz		WI Geological and Natural History Survey, UW Extension	Transport of wastewater constituents from sewers to groundwater	mbgotkow@wisc.edu
Claudio Gratton		Entomology and Zoology	Aquatic insects link lakes and land	cgratton@wisc.edu
Paul Hanson		Limnology	Why care about carbon in lakes?	pchanson@wisc.edu
Jennifer Hauxwell	9:40	University of Wisconsin Sea Grant Institute	UW Aquatic Sciences Center-Overview and Opportunities for You	jennifer.hauxwell@aqua.wisc.edu
Sara Hotchkiss		Botany	Floating peat: how climatic variability can cause sudden state change in kettle lakes	shotchkiss@wisc.edu
Jim Hurley		ASC, Sea Grant	High precision mercury isotope ratios in the environment	hurley@aqua.wisc.edu
Randy Jackson		Agronomy	Grassland for water quality	rdjackson@wisc.edu
William Karasov		Dept of Forest and Wildlife Ecology	Risk of endocrine disruption in WI frogs and fish	wkarasov@wisc.edu
Heinz Klug		Law	Human Rights Program and its work on the human right to water	heinz.klug@wisc.edu
BREAK (10:00-10:15)				
SESSION II (10:15-11:45)				
Tony Goldberg	10:15	Pathbiological Sciences, Vet Medicine	Ecology, diagnosis and management of viral hemorrhagic septicemia virus in Wisconsin	tgoldberg@svm.vetmed.wisc.edu
Christopher Kucharik		Agronomy	Impacts of Agricultural Land Use on Water Quality and Quantity in Wisconsin	kucharik@wisc.edu
Carol Lee		Zoology & Center of Rapid Evolution (CORE)	Microbial Metagenomes of Zooplankton and the Transmission of Waterborne Pathogens	carollee@wisc.edu



Water@UWMadison: A Wisconsin Idea Symposium May 11, 2015

Speaker	Time	Department/Affiliation	Title	Email
Sharon Long		Soil Science	Monitoring for Waterborne Pathogens: Moving beyond coliform testing	slong@wisc.edu
John Magnuson	10:30	Zoology and Limnology	Climate changes after the onset of the Industrial Revolution are revealed from observations of lake and riverice seasonality	jjmagnus@wisc.edu
Galen McKinley		Atmospheric and Oceanic Sciences	Circulation and carbon cycling in the oceans and Great Lakes	gamckinley@wisc.edu
Katherine McMahan		Civil & Environmental Engineering	The unseen majority: how microbes rule the waves	trina.mcmahan@wisc.edu
Larry Nesper		Anthropology	Ojibwe ethno-hydrology and the failures of the Crandon and Gogebic Taconite mining proposals	lnesper@wisc.edu
Michael Notaro	10:45	Nelson Institute Center for Climatic Research	Dynamical downscaling-based projections of Great Lakes' water levels	mnotaro@wisc.edu
John Panuska		Biological Systems Engineering	Tracking Root Zone Soil Moisture using the Wisconsin Irrigation Scheduling Program (WISP 2012)	jcpanuska@wisc.edu
Barbara Peckarsky		Zoology and Entomology	Effects of climate change on stream organisms	peckarsky@wisc.edu
Ken Potter		Civil & Environmental Engineering	Research in Retirement	kwpotter@wisc.edu
Christy Remucal	11:00	Civil & Environmental Engineering	The fate of organic contaminants in natural and engineered aquatic systems	remucal@wisc.edu
Adena Rissman		Forest and Wildlife Ecology	Barriers and opportunities for using science in water quality management	adena.rissman@wisc.edu
Titus Seilheimer		University of Wisconsin Sea Grant Institute	Keeping the Great Lakes Great - Outreach, education, and research in the sustainable use of Wisconsin's fisheries	tseilheimer@aqua.wisc.edu
Janet Silbernagel		Landscape Architecture	Geotools for citizen engagement & spatial literacy in Great Lakes coastal communities	jmsilber@wisc.edu
David Bart	11:15	Landscape Architecture	Hydrologic legacies of long-abandoned agriculture lead to persistent invaded states in calcareous fens	dbart@wisc.edu
Emily Stanley		Zoology and Limnology	A rapid tour of the North Temperate Lakes Long-Term Ecological Research Program	ehstanley@wisc.edu
Anita Thompson		Biological Systems Engineering	Erosion and sediment transport dynamics in agricultural watersheds	amthompson2@wisc.edu
Monica Turner		Zoology	Landscape patterns of hydrologic and other ecosystem services in southern Wisconsin	turnermg@wisc.edu
Jake Vander Zanden	11:30	Limnology and Zoology	How are our lakes changing, and why does it matter?	mjvanderzand@wisc.edu
Don Waller		Dept of Botany	The other Great Lakes - increasing UW's involvement via the Central Africa Initiative	dmwaller@wisc.edu
Joy Zedler		Botany Dept & UW Arboretum	Total Maximum Daily Load (TMDL): The Myth and Degraded Lakes	jbzedler@wisc.edu
Chin Wu		Civil & Environmental Engineering	Water Cyberinfrastructure	chinwu@engr.wisc.edu
Ankur Desai		Atmospheric and Oceanic Sciences	Do inland waters play a role in the global climate system?	desai@aos.wisc.edu
BREAK (11:45-12:00)				
PANEL DISCUSSION (12:00-12:45)				
The panel discussion will be moderated by Wisconsin Public Television's Zac Schultz. Panelists will include Trina McMahan (Civil and Environmental Engineering), Chris Kucharik (Agronomy), Jen Hauxwell (UW Sea Grant Institute), and Ken Genskow (Urban and Regional Planning).				
Panelists will briefly address the question: "Do we need more structure and visibility for freshwater scholarship at UW-Madison, and if so how do we achieve that?" followed by an open discussion about what can we do as a community to strengthen the research, teaching, and outreach mission of UW-Madison				