

Schedule of Events

Wednesday, 27 September 2017

Start Time	End Time		
10:00 AM	NOON	Registration	Memorial Student Center Lobby
10:00 AM	on	Self-Guided Tour of the Marshall University Green Trail	Green Trail maps will be available at the registration desk
1:00 PM -	4:30 PM	Field Trip to R.C. Byrd Locks and Dam, and WV DNR Apple Grove State Fish Hatchery	Meet outside 5 th Avenue Entrance to the Memorial Student Center
2:00 PM -	3:30 PM	Pre-Meeting Information session on the Planning Center of Expertise for Inland Navigation & Risk-Informed Economics (PCXIN-RED) USACE, Huntington District. Hosted by P.J. Donovan, Chief, PCXIN-RED	SRC Conference Room, Memorial Student Center
4:30 PM -	6:00 PM	ORBA Steering Committee & Advisors Business Meeting – <i>by invitation only</i>	Memorial Student Center – Shawkey Room
6:00 PM -	8:00 PM	ORBCRE Trustees Meeting & Dinner – <i>by invitation only</i>	Memorial Student Center – Shawkey Room
8:00 PM -	10:00 PM	ORBCRE/ORBA Leadership Reception – <i>by invitation only</i>	Weisberg Family Applied Engineering Complex Green Roof

Schedule of Events

Thursday, 28 September 2017

MORNING

Start Time	End Time		Location
8:00 AM -	9:00 AM	Registration	Memorial Student Center Lobby
8:00 AM -	9:00 AM	Poster Setup	MSC Marco's
9:00 AM -	9:20 AM	University & City Welcoming Remarks	MSC BE-5
9:20 AM -	9:30 AM	Dr. Terry Chang – Welcome from ORBCRE	MSC BE-5
9:30 AM -	9:40 AM	Dr. Harry Stone – Welcome from ORBA & working group information	MSC BE-5
9:40 AM -	9:45 AM	Dr. Chuck Somerville – Introduction of Keynote Speaker	MSC BE-5
9:45 AM -	10:30 AM	Keynote Address – <i>Ohio River Basin climate change mitigation and adaptation report</i> - Mr. Mark Kessinger, DLZ National, Inc.	MSC BE-5
10:30 AM -	10:45 AM	Morning Break – Visit Posters & Sponsors; Post in “Parking Lots”	MSC BE-5, Marco's
10:45 AM -	10:50 AM	K-12 Education & Outreach Panel Information – Ms. Heather Mayfield	MSC BE-5
10:50 AM -	10:55 AM	Inland Navigation Panel Information – Ms. Kari Mackenbach, ms consulting	MSC BE-5
10:55 AM -	11:00 AM	Drone-Based Assessment Tools Panel Information – Dr. Anne Axel	MSC BE-5
11:00 AM -	11:05 AM	Citizen Engagement Panel Information – Ms. Angie Rosser	MSC BE-5
11:05 AM -	11:10 AM	Citizen Science Panel Information – Mr. Ted Lozier	MSC BE-5

Schedule of Events

Thursday, 28 September 2017

MORNING & LUNCH

Start Time	End Time		Location
11:10 AM -	11:15 AM	HAB Collaboration Panel Information – Mr. Ted Lozier	MSC BE-5
11:15 AM -	11:20 AM	Water Quality Monitoring Panel Information – Mr. Ted Lozier	MSC BE-5
11:20 AM -	11:25 AM	Flood Control & Risk Reduction Panel Information – Dr. Harry Stone	MSC BE-5
11:25 AM -	11:30 AM	Attracting Industry Panel Information – Dr. Harry Stone	MSC BE-5
11:30 AM -	11:35 AM	Environmental Flow & Sustainable Rivers Information – Dr. Sarah Hippensteel Hall	MSC BE-5
11:35 AM -	NOON	Visit Posters & Sponsors; Post in “Parking Lots”	MSC BE-5, Marco’s
NOON -	1:30 PM	Luncheon Lunch Talk: <i>Are We There Yet? Journey to a Unified Ohio River Basin Voice.</i> Dr. Harry Stone, Chair, ORBA Steering Committee	MSC - Don Morris Room
1:30 PM -	2:00 PM	Visit Posters & Sponsors; Post in “Parking Lots”	MSC BE-5, Marco’s

Schedule of Events – Concurrent Scientific Presentations

Thursday, 28 September 2017

AFTERNOON

2:00 PM -	3:00 PM	Concurrent Scientific Presentations 1 – Water Quality	MSC BE-5
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1. *Harmful algal bloom smart device application and fixed camera monitoring for classification of harmful algal blooms.* M. Waters, Northern Kentucky University
2. *How will installation of plastic liners in Minor Clark Fish Hatchery ponds alter sediment-water nutrient dynamics?* B. Reeder, Morehead State University
3. *TBD*

2:00 PM -	3:00 PM	Concurrent Scientific Presentations 2 – Discharge and Flow Modeling	MSC Shawkey Room
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1. *Development of a reservoir system operation model for water sustainability in the Yaqui River basin.* A. Mounir et al., Ohio University
2. *Ice jam conditions of selected rivers in northern part of United States in changing climate.* S. Sharma and H. Williams, Youngstown State University
3. *Modeling discharge in a watershed affected by acid mine drainage: the upper Raccoon Creek in Ohio.* D. Lopez et al., Ohio University

2:00 PM -	3:00 PM	Concurrent Scientific Presentations 3 – Aquatic Community Dynamics	MSC SRC Conference Room
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1. *Seasonal variation in the impact of acid mine drainage (AMD) on stream macroinvertebrate communities.* A. Travers and K. Johnson, Ohio University
2. *Considering multiple stressors: macroinvertebrate recovery rates from simulated flood scouring across a gradient of acid mine drainage impairment.* M. Thrush Hood and K. Johnson, Ohio University
3. *Structure, resilience, and fate of large river bacterial communities.* G. Schultz and J. Kovatch, Marshall University

2:00 PM -	3:00 PM	Concurrent Scientific Presentations 4 – Novel Methods for Water Quality Assessment	MSC Room 2W22
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1. *Reliability and sustainability assessment of surface water quality.* M. Riasi et al., University of Cincinnati
2. *Assessing toxicants in effluents using fluorescent microscopy in C. elegans.* S. Penta and E. Blough, Marshall University
3. *HydroGrid.* L. Yeghiazarian, University of Cincinnati

Schedule of Events – Concurrent Scientific Presentations

Thursday, 28 September 2017

AFTERNOON

3:00 PM -	4:00 PM	Concurrent Scientific Presentations 5 – Water Quality	MSC BE-5
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1. *Three Rivers Quest (3RQ) project: a multi-university collaboration for water quality monitoring in the upper Ohio River basin.* M. O’Neal, West Virginia University
2. *Impact of land use on water quality of Mill Creek watershed.* M. Koirala, et al., Youngstown State University
3. *Creek Connections . . . bringing watershed education to upper Ohio watershed K-12 schools through yearlong creek site sampling for over 20 years.* L. Branby, Creek Camp Director, Allegheny College

3:00 PM -	4:00 PM	Concurrent Scientific Presentations 6 – Watershed Planning	MSC Shawkey Room
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1. *Watershed planning.* J. Buchanan, USACE, Huntington District
2. *Appalachian Ohio clean watershed initiative (AOCWI) ArcGIS online watershed planning tool: using data to foster partnerships to improve water quality across Ohio’s coal bearing region.* B. Stokes, et al. Ohio University
3. **TBD**

3:00 PM -	4:00 PM	Concurrent Scientific Presentations 7 – Stream Restoration	MSC SRC Conference Room
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1. *Long term partnerships among Ohio University agencies and communities make a difference: 20 years of restoration in acid mine impaired watersheds.* J. Bowman, et al. Ohio University
2. *Twenty year success of urban stream restoration of Mill Creek Cincinnati: from ten worst in 1997 to near compliance in 2017.* M. Miller, et al. University of Cincinnati
3. **TBD**

3:00 PM -	4:00 PM	Concurrent Scientific Presentations 8 – Modeling Surface Water Networks	MSC Room 2W22
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1. *Structural controllability of surface water networks.* M. Riasi, and L. Yeghiazarian. University of Cincinnati
2. *The temporal evolution of risk of microbial contamination in surface water using systems reliability approach.* J. Myers, and L. Yeghiazarian. University of Cincinnati
3. *Modeling the flood of 2016.* J. Schray USACE Huntington District

Schedule of Events – Panel Discussions

Thursday, 28 September 2017

AFTERNOON

4:00 PM -	5:00 PM	Panel Discussion – Water Quality Monitoring	MSC BE-5
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Moderator – Mr. Richard Harrison, PE, Executive Director & Chief Engineer, Ohio River Valley Water Sanitation Commission (ORSANCO)

Panelist – Mr. Jason Heath, Director of Technical Programs, ORSANCO

Panelist – Mr. Jeff Frey, Deputy Director, US Geological Survey, Indiana Science Center

Panelist – Mr. Nicholas Murray, Environmental Resource Specialist Supervisor, WV Department of Environmental Protection

4:00 PM -	5:00 PM	Panel Discussion – Drone Based Assessment Tools	MSC Shawkey Room
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Moderator – Dr. Anne Axel, Assistant Professor of Biological Sciences, Marshall University

Panelist – Dr. Mack McCarty, Geospatial Section, USACE Huntington District

Panelist – Dr. Jamie Leonard, Professor of Geography, Marshall University

4:00 PM -	5:00 PM	Panel Discussion – K-12 Education & Outreach	MSC SRC Conference Room
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Moderator – Ms. Heather Mayfield, Director, Foundation for Ohio River Education (FORE)

Panelist – Ms. Tomi Bergstrom, Western Watershed Basin Coordinator and Project WET Coordinator, WV Department of Environmental Protection

Panelist – Dr. Steven Kerlin, Director of Education, Stroud Water Research Center

4:00 AM -	5:00 PM	Panel Discussion – Attracting Industry to the Ohio River Basin	MSC Room 2W22
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Moderator – Mr. Harry Stone, Chair, Ohio River Basin Alliance

Panelist – Mr. Michael Jacoby, VP for Business Development, Appalachian Partnership for Economic Growth

Panelist – Mr. David Lieving, Huntington Area Development Council

Panelist – Mr. Tim Gibbs, Ashland Alliance

Schedule of Events

Thursday, 28 September 2017**EVENING**

Start Time	End Time		Location
5:00 PM -	5:30 PM	Visit Posters & Sponsors; Post in “Parking Lots”	MSC BE-5, Marco’s
6:30 PM -	8:00 PM	ORBCRE/ORBA Banquet & Award Ceremony. Guest Speaker, Colonel Philip M. Secrist, USACE, Huntington District Commander	MSC Don Morris Room

Poster Session

Thursday, 28 September 2017

ALL DAY

Board No.	Title, Authors and Affiliations
1	<i>The effect of increased nutrient loading on periphyton community metabolism.</i> M.M. Armstead. Marshall University, Department of Natural Resources & the Environment.
2	<i>Use of a dehumidifier to develop a statewide interpretation of atmospheric water vapor quality in Ohio.</i> D. Smetzer, and T.J. Chang. Ohio University, Russ College of Engineering.
	<i>Additional posters under review</i>

Schedule of Events

Friday, 29 September 2017

Morning

Start Time	End Time		Location
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7:30 AM -	8:00 AM	Visit Posters & Sponsors; Post in “Parking Lots”	MSC BE-5, Marco’s
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8:00 AM -	9:00 AM	Panel Discussion – Citizen Engagement	MSC BE-5
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Moderator – Ms. Angie Rosser, Executive Director, West Virginia Rivers

Panelist – Dr. Eric Fitch, Director, Environmental Science Program, Marietta College

Panelist – Ms. Robin Blakeman, Ohio Valley Environmental Coalition (OVEC)

8:00 PM -	9:00 AM	Panel Discussion – Inland Navigation: Issues & Opportunities	MSC Shawkey Room
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Moderator – Ms. Megan Barnes, Chief Administrative Officer, Superior Marine Ways, Inc

Panelist – Mr. Patrick Donovan, Director, PCXIN-RED, USACE Huntington

Panelist – TBD

8:00 AM -	9:00 AM	Panel Discussion – Harmful Algal Blooms (HABs) Collaboration	MSC SRC Conference Room
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Moderator – Mr. Ted Lozier Chief of Conservation, Muskingum Watershed Conservancy District

Panelist – Dr. Mindy Armstead, Associate Professor of Natural Resources & the Environment, Marshall University

Panelist – Dr. Miriam Kannan, Professor Emeritus of Biological Sciences, Northern Kentucky University

Panelist – Mr. Justin Schneider, Director of State Government Relations, Indiana Farm Bureau

8:00 AM -	9:00 AM	Panel Discussion – Flood Control & Risk Reduction	MSC Room 2W22
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Moderator – Dr. Harry Stone, Chair, Ohio River Basin Alliance

Panelist – Mr. Brandon Brummet, USACE Louisville District

Panelist – Ms. Kari Mackenbach, Director of Sustainability, ms consultants, inc.

Panelist – TBD

Schedule of Events

Friday, 29 September 2017

Morning

Start Time	End Time		Location
9:00 AM -	10:00 AM	Panel Discussion – Citizen Science	MSC BE-5
<i>Moderator</i> – Mr. Ted Lozier, Chief of Conservation, Muskingum Watershed Conservancy District <i>Panelist</i> – Mr. John King, Office of the Environmental Advocate, WV Department of Environmental Protection <i>Panelist</i> – Mr. Andrew Johnson, Four-Pole Creek Watershed Association <i>Panelist</i> – Dr. Michael Miller, Professor Emeritus, University of Cincinnati			
9:00 AM -	10:00 AM	Panel Discussion – Environmental Flow & Sustainable Rivers	MSC Shawkey Room
<i>Moderator</i> – Dr. Sarah Hippensteel Hall, Miami Conservation District <i>Panelist</i> – Mr. Steven Foster, Limnologist, USACE Huntington District <i>Panelist</i> – Mr. John Stark, The Nature Conservancy <i>Panelist</i> – Dr. Chris Lorentz, Professor of Biological Sciences, Thomas More College			
9:00 AM -	10:00 AM	Panel Discussion – Collaborations across Watershed & Organizational Boundaries	MSC Room 2W22
<i>Moderator</i> – Mr. Harold Jordahl, Director, America's Watershed Initiative <i>Panelist</i> – Mr. Harry Stone, Steering Committee Chair, Ohio River Basin Alliance <i>Panelist</i> – Dr. Charles Somerville, Dean, College of Science, Marshall University			

Schedule of Events

Friday, 29 September 2017

Morning

Start Time	End Time		Location
10:00 AM -	10:15 AM	Morning Break – Visit Posters & Sponsors; Post in “Parking Lots”	MSC BE-5, Marco’s
10:15 AM -	10:45 AM	GIS Resource Use and Users Group	MSC BE-5
<i>Speaker</i> – Mr. Michael Saffran, Civil Works Planning, USACE Great Lakes and Ohio River Division. <i>USACE Ohio River Basin Initiatives</i>			
10:50 AM -	11:50 AM	ORBA Working Group Report-Outs	MSC BE-5
<i>Water Availability & Management</i> – Mr. Ted Lozier, PE, Muskingum Watershed Conservancy District <i>Restoration & Protection</i> – Dr. Sarah Hippensteel Hall, Miami Conservation District <i>Enterprise & Infrastructure</i> – Ms. Kari Mackenbach, ms consultants, inc. <i>Sustainable Growth & Competitiveness</i> – Dr. Harry Stone, Steering Committee Chair, ORBA			
10:50 AM -	11:50 AM	Concurrent Scientific Presentations 9 – Environmental Engineering	MSC SRC Conference Room
<ol style="list-style-type: none"> 1. <i>Massive tunnel protects downtown Columbus.</i> J. Coffey, DLZ National, Inc. 2. <i>Unleashing the power of water to produce green energy.</i> B. Bauchmire, DLZ National, Inc. 			
11:50 AM -	NOON	Closing Remarks – Dr. Chuck Somerville	MSC BE-5

THANK YOU!