

AGENDA

Benefits, Applications, and Opportunities of Natural Infrastructure

May 10 - 11, 2022

University of Georgia, Athens

Tuesday, May 10

8:00 AM – 4:00 PM ET

8:00 am – 9:00 am	Networking Breakfast
9:00 am – 9:10 am	<p>Welcome remarks</p> <p>S. Jack Hu (NAE), Senior Vice President for Academic Affairs and Provost, UGA Foundation Distinguished Professor, University of Georgia</p>
9:10 am – 9:20 am	<p>Project Overview</p> <p>Hussam Mahmoud, <i>Committee Chair</i>, George T. Abell Professor of Infrastructure; Director, Structural Laboratory, Colorado State University</p>
9:20 am – 9:30 am	<p>Background Context</p> <p>Todd Bridges, Senior Research Scientist for Environmental Science and National Lead for Engineering With Nature Program, U.S. Army Corps of Engineers</p>
9:30 am – 10:00 am	<p>Big Picture Perspective: Setting the Stage</p> <p>Gerry Galloway (NAE), Professor Emeritus, Civil and Environmental Engineering, University of Maryland</p>

Theme 1: Application of Natural Infrastructure - Context, Features, and Benefits

10:00 am – 10:30 am	<p>Keynote</p> <p>Mike Donahue, Vice President, Water Resources and Environmental Services, AECOM</p>
10:30 am – 11:30 am	<p>Panel</p> <p>Panelists:</p> <p>Edward Brauer, Senior Hydraulic Engineer, Engineering with Nature Program, U.S. Army Corps of Engineers, St. Louis District</p> <p>Hollie Schmidt, Director, Resilient + Sustainability Business Advisory, Jacobs</p> <p>Victoria (Tori) Johnson*, Assistant Professor, Naval Architecture & Ocean Engineering, U.S. Naval Academy</p> <p>Moderator: Paul Freedman (NAE), <i>Committee Member</i>, Chief Executive Officer, LimnoTech</p>

11:30 am – 12:15 pm	Breakout Sessions
12:15 pm – 12:45 pm	Report Back
12:45 pm – 1:30 pm	Lunch
Theme 2: Elements for Implementation - Physical, Ecological, Social, and Economic Considerations	
1:30 pm – 2:00 pm	<p>Keynote</p> <p>Jennifer Santos-Hernandez, Research Professor, Centro de Investigaciones Sociales, College of Social Sciences and Academic Chair, Graduate Certificate in Planning for Disaster Reduction, Graduate School of Planning, University of Puerto Rico-Río Piedras</p>
2:00 pm – 3:00 pm	<p>Panel</p> <p>Panelists:</p> <p>Julie Beagle, Environmental Planning Section Chief, U.S Army Corps of Engineers-San Francisco District</p> <p>Marcus Hendricks*, Assistant Professor; Director at SIRJ Lab; Affiliated Research Faculty, Clark School of Engineering's Center for Disaster Resilience, University of Maryland</p> <p>Jeff Opperman, Global Freshwater Lead Scientist, Global Science, World Wildlife Fund</p> <p>Moderators:</p> <p>Hans Louis-Charles, <i>Committee Member</i>, Assistant Professor, Virginia Commonwealth University</p> <p>Eileen Shader, <i>Committee Member</i>, Director, River Restoration, American Rivers</p>
3:00 pm – 3:45 pm	Breakout Sessions
3:45 pm – 4:15 pm	Report Back
4:15 pm – 4:30 pm	<p>Day 1 Summary</p> <p>Hussam Mahmoud, <i>Committee Chair</i>, George T. Abell Professor of Infrastructure; Director, Structural Laboratory, Colorado State University</p> <p>Brett Wylie, Senior Urban Designer, Landscape Architect and Planner, Jacobs</p>
4:30 pm – 6:00 pm	Reception

Wednesday, May 11

8:00am – 4:00pm ET

8:00 am – 9:00 am Networking Breakfast

9:00 am – 9:10 am **Welcome and Recap**

Hussam Mahmoud, *Committee Chair*, George T. Abell Professor of Infrastructure; Director, Structural Laboratory, Colorado State University

Theme 3: Making Timely Progress - Needs for Descriptive Methods, Manuals, and Standards

9:10 am – 9:35 am **Keynote**

Emily Corwin, Director, Engineering of Nature-based Solutions, Conservation International

9:40 am – 10:50 am **Panel**

Panelists:

Bruce Ellingwood* (NAE), Professor and College of Engineering Eminent Scholar, Colorado State University

Ellen Herbert, Senior Scientist, Sustainability and Nature Based Solutions, Ducks Unlimited

Ram Mohan*, Senior Partner, Anchor QEA, LLC and Adjunct Professor and Director, Center for Coastal & Dredging Studies, Texas A&M University

Moderators:

Brian Bledsoe, *Committee Member*, Georgia Athletic Association Distinguished Professor in Resilient Infrastructure; Founding Director, Institute for Resilient Infrastructure Systems, University of Georgia

Oluponmile Olonilua, *Committee Member*, Professor, Emergency Management, Homeland Security, and Public Administration, Texas Southern University

10:50 am – 11:40 am **Breakout Sessions**

11:40 am – 12:05 pm **Report Back**

12:05 pm – 1:00 pm **Working Lunch**

Theme 4: Synching with Policies - Required Efforts and Partnerships to Scale Up

1:00 pm – 1:30 pm	Keynote Shana Jones , Planning And Environmental Services Unit Program Manager; Strategic Operations And Planning Assistance, Carl Vinson Institute of Government, University of Georgia
1:40 pm – 2:40 pm	Panel Panelists: Dale Morris , Chief Resilience Officer, City of Charleston Sarah Murdock* , Director, US Climate Resilience and Water Policy, The Nature Conservancy Jessica Ritter* , Senior Director of Water Resources and Coastal Policy, National Wildlife Federation Moderator: David Waggoner , <i>Committee Member</i> , Principal, Waggoner & Ball, LLC
2:40 pm – 3:30 pm	Breakout Sessions
3:30 pm – 3:55 pm	Report Back
3:55 pm – 4:10 pm	Day 2 Summary and Workshop Adjournment Hussam Mahmoud , <i>Committee Chair</i> , George T. Abell Professor of Infrastructure; Director, Structural Laboratory, Colorado State University Brett Wylie , Senior Urban Designer, Landscape Architect and Planner, Jacobs
5:00 pm – 6:00 pm	Networking Hour

**Denotes virtual participation by speaker*