



# Frontiers in Science CLIMATE ACTION

Presented by Georgia Tech College of Sciences

## Welcome

9:00 – 9:15 a.m. **Breakfast, Coffee and Check-in**

9:15 – 9:30 a.m. **Opening Remarks**

Ángel Cabrera, *president, Georgia Institute of Technology (M.S. PSY 1993, Ph.D. PSY 1995)*

## Part 1: Climate Change

Hosted by **Susan Lozier**, dean of the College of Sciences, Betsy Middleton and John Clark Sutherland Chair, professor in the School of Earth and Atmospheric Sciences

9:30 – 9:40 a.m. **Our Oceans**

**Susan Lozier**, *dean of the College of Sciences, Betsy Middleton and John Clark Sutherland Chair, professor in the School of Earth and Atmospheric Sciences*

9:40 – 10:10 a.m. **The Cryosphere**

**Alexander Robel**, *assistant professor, School of Earth and Atmospheric Sciences*

10:15 – 10:45 a.m. **Biodiversity**

**Benjamin Freeman**, *assistant professor and Elizabeth Smithgall Watts Early Career Faculty, School of Biological Sciences*

**Jenny McGuire**, *associate professor, School of Biological Sciences*

**James Stroud**, *assistant professor and Elizabeth Smithgall Watts Early Career Faculty, School of Biological Sciences*

## Part 2: Climate Challenges

Hosted by **Julia Kubanek**, vice president for Interdisciplinary Research at Georgia Tech and professor in the School of Biological Sciences and the School of Chemistry and Biochemistry

10:55 – 11:15 a.m. **The Wicked Problem**

**Annalisa Bracco**, *professor, associate chair for Research, School of Earth and Atmospheric Sciences*

11:25 – 11:45 a.m. **Panel Discussion: Communities**

**Isaiah Bolden**, *assistant professor, School of Earth and Atmospheric Sciences*

**Julie Ju-Youn Kim**, *associate professor, William H. Harrison Chair, and founding director of Flourishing Communities Collaborative Education, School of Architecture*

11:45 – 12:15 p.m. **Panel Discussion: Technology**

**S. Rutt Bridges**, *geophysicist, entrepreneur, and founder, Rutt Bridges Venture Fund (B.S. PHYS 1973, M.S. GPHYS 1975)*

**Akanksha Menon**, *assistant professor, George W. Woodruff School of Mechanical Engineering*

**Yuanzhi Tang**, *associate professor, School of Earth and Atmospheric Sciences, interim associate co-director of Interdisciplinary Research, Brook Byers Institute for Sustainable Systems (BBISS)*

**12:15 – 12:45 p.m. Panel Discussion: Policy**

**Joe F. Bozeman III**, *assistant professor, School of Civil and Environmental Engineering*

**Michelle Midanier**, *clean energy programs associate, City of Atlanta Mayor's Office of Sustainability and Resilience*

**Valerie Thomas**, *professor and Anderson-Interface Chair of Natural Systems, H. Milton Stewart School of Industrial and Systems Engineering*

**12:45 – 1:25 p.m. Networking Lunch****1:30 – 1:40 p.m. Afternoon Remarks**

**Chaouki T. Abdallah**, *executive vice president for Research at Georgia Tech and professor in the School of Electrical and Computer Engineering (M.S. ECE 1982, Ph.D. ECE 1988)*

**Part 3: Climate Solutions**

Hosted by **Timothy (Tim) Lieuwen**, *executive director of the Georgia Tech Strategic Energy Institute, Regents' Professor and David S. Lewis, Jr. Chair in the Daniel Guggenheim School of Aerospace Engineering*

**1:45 – 2:15 p.m. Carbon Cycling**

**Chris Reinhard**, *associate professor, Georgia Power Chair, School of Earth and Atmospheric Sciences*

**2:20 – 2:50 p.m. Coastal Wetlands**

**Joel Kostka**, *associate chair for Research in Biological Sciences and professor, School of Biological Sciences and School of Earth and Atmospheric Sciences*

**3:00 – 3:30 p.m. Biofuels Production**

**Pamela Peralta-Yahya**, *associate professor, School of Chemistry and Biochemistry*

**3:40 – 4:00 p.m. Georgia Tech Climate Action Plan and Sustainability Next**

**Jennifer Chirico**, *associate vice president of Sustainability, Georgia Tech Infrastructure and Sustainability (B.S. MGMT 1997, Ph.D. PUBP 2011)*

**Jennifer Leavey**, *assistant dean for Faculty Mentoring in the College of Sciences and interim assistant director for Interdisciplinary Education, Brook Byers Institute for Sustainable Systems (B.S. CHEM 1995)*

**Closing****4:00 – 4:30 p.m. Closing Remarks and Call to Action**

**Susan Lozier**, *dean of the College of Sciences, Betsy Middleton and John Clark Sutherland Chair, professor in the School of Earth and Atmospheric Sciences*

**Timothy (Tim) Lieuwen**, *executive director of the Georgia Tech Strategic Energy Institute, Regents' Professor and David S. Lewis, Jr. Chair in the Daniel Guggenheim School of Aerospace Engineering*

**4:30 – 5:30 p.m. Networking Reception**