

## 2025 Annual Meeting Strategies for Circularity: Prospects and Challenges

October 30, 2025

8:30 AM to 6:00 PM ET

Andlinger Center for Energy and the Environment, Maeder Hall

In a circular economy, systems and products are intentionally designed to minimize waste and keep resources in use for as long as possible — closing the loop on the traditional "take-make-dispose" linear economic model. The 14th Annual Meeting will explore opportunities and challenges for implementing circular approaches, with the goal of identifying key priorities for research, policy, and industry in the journey toward a more sustainable and resource-efficient future.

### AGENDA

8:30 AM                    **Registration and Breakfast**

9:00 AM                    **Welcome**

**Iain McCulloch**, Director, Andlinger Center for Energy and the Environment; Gerhard R. Andlinger '52 Professor in Energy and the Environment; Professor of Electrical and Computer Engineering and the Andlinger Center for Energy and the Environment, Princeton University

**Andrew Houck**, Dean, School of Engineering and Applied Science; Anthony H.P. Lee '79 P11 P14 Professor of Electrical and Computer Engineering, Princeton University

**Chris Greig**, Associate Director for External Partnerships; Theodora D. '78 and William H. Walton III '74 Senior Research Scientist at the Andlinger Center for Energy and the Environment, Princeton University

9:15 AM                    **Morning Keynote: The Circularity Journey**

Circularity has been of economic interest for some time. This talk explores where it has been, the direction it is taking, the challenges and opportunities ahead, and the driving forces that keep it growing.

**Andre Argenton**, Chief Sustainability Officer and Vice President of Environment, Health and Safety, Dow

10:15 AM                    **Break**

10:35 AM                    **New Frontiers in Circularity**

Circularity of carbon and other material feedstocks often begins with basic science questions. Experts on this panel will consider new frontiers and potential breakthroughs in energy efficient and sustainable processes that emphasize closed loops.

**Michele Sarazen**, *Moderator*, Assistant Professor of Chemical and Biological Engineering, Princeton University

**J.R. Johnson**, Vice President of Research and Development, Avnos



**Yiguang Ju**, Robert Porter Patterson Professor of Mechanical and Aerospace Engineering, Princeton University; Co-founder, Princeton NuEnergy

**Z. Jason Ren**, Professor of Civil and Environmental Engineering and the Andlinger Center for Energy and the Environment, Princeton University; Co-founder, Chief Scientist, and Director, Princeton Critical Minerals (PureLi Inc.)

12:00 PM      **Lunch and Poster Session** (at Frick Chemistry Laboratory)

2:00 PM      **Scaling Circularity**

Circularity technologies need to evolve from the laboratory, increasing technology readiness and, ultimately, to first-of-a-kind demonstrations before going on to scale commercially. Panelists will discuss state of the art processes and systems for circularity that are poised to scale, and the challenges of navigating the “valley-of-death”.

**Bob Kumpf**, *Moderator*, Managing Director, Deloitte

**Adam S. Gross**, Senior Decarbonization Specialist, Andlinger Center for Energy and the Environment, Princeton University

**Zara Summers**, Chief Strategy Officer, LanzaTech

**Jennifer Woolfsmith**, Vice President, Sustainability, NOVA Chemicals

3:15 PM      **Break**

3:35 PM      **Plenary Presentation and Fireside Chat: Towards a Circular Economy — Mobilizing Key Practices and Systems at Community Scale and Beyond**

Our plenary speaker will share lessons from nonprofit work to establish scalable frameworks to mobilize circularity on the ground in various countries. A moderated discussion with leaders from Princeton University will follow, to explore effective approaches and persistent barriers to establishing circularity at varying community levels, spanning socio-technical, institutional, and cultural issues.

**John Pickering**, *Moderator*, Chief Behavioral Scientist, Evidn

**Shannon Bouton**, President and Founding CEO, Delterra

**Sarah Boll**, Executive Director, Office of Sustainability, Princeton University

4:50 PM      **Adjourn**

5:00 PM      **Reception and Poster Session Awards**