



Carbon Hub Annual Meeting

May 31, 2022

Agenda

Venue: Anderson-Clarke Center – Glasscock School, Rice University

7:00 – 8:00 am **Check-in & refreshments**

8:00 – 8:30 am **Welcoming Remarks**

- Event Emcee – Dr. O’Malley, Associate Dean for Research and Innovation, Brown School of Engineering – Rice University
- Dr. DesRoches, Provost & President-elect – Rice University
- Dr. Pasquali, Director, Carbon Hub – Rice University

8:30 – 9:15 am **Decarbonization through Carbon**

- Dr. Al-Ansary, General Manager, Long Range Research & Experimentation – Shell
- Dr. Dabbousi, Director of Technology Strategy & Planning – Saudi Aramco
- Dr. Verghese, Corporate Fellow, Corporate T&I – SABIC
- Mr. Parris, Innovation Engineering Manager – Prysmian Group NA
- Moderator: Dr. Helferty, Adjunct Faculty Member – Queen’s University

9:15 – 10:00 am **Global Ecosystems for Carbon Use: role of different entities**

- Mr. Hassin, former Cofounder & CEO – Third Derivative
- Ms. Leblanc, General Manager, Commercial Innovation Partnerships - Shell
- Dr. Maruyama, Principal Materials Research Engineer – Air Force Research Laboratory
- Moderator: Dr. Sergio Kapusta, Professor in the Practice – Rice University

10:00 – 10:30 am **BREAK**

10:30 – 11:15 am **The Future is Already Here (just not evenly distributed)**

- Mr. Mesrobian, Senior Director, Business Development – Monolith Materials
- Dr. Fraser, Commercial Director, Miralon© – Huntsman Advanced Materials
- Dr. Goulthorpe, Founder – DECOi inc; Associate Professor of Architecture - MIT
- Moderator: Dr. Banash, President & Chief Scientist – Neotericon LLC

11:15 – 11:45 am **Carbon Hub Update**

- Dr. Contou-Carrere, Interim Executive Director, Carbon Hub – Rice University
- Dr. Pasquali, Director, Carbon Hub – Rice University

11:45am – 1:00 pm **LUNCH**



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1:00 – 3:00 pm Technical Updates by Carbon Hub Academic Collaborators

Room 107 Session Chair: **Dr. Headrick**, Research Scientist - Shell
Topic area: Synthesis

- 1 pm **Dr. Boies**, Professor in Nanomaterials and Aerosol Engineering; Head of Energy Group, Department of Engineering – Cambridge University
- 1:30 pm **Dr. Kim**, Principal Research Scientist – Korea Institute of Science and Technology
- 2 pm **Dr. Maruyama**, Principal Materials Research Engineer – Air Force Research Laboratory
- Dr. Stach**, Professor, Department of Materials Science and Engineering – University of PA
- 2:30 pm **Dr. Maestri**, Full Professor of Chemical Engineering – Politecnico di Milano, Italy

Room 108 Session Chair: **Dr. Green**, Professor – Texas A&M University
Topic area: Soil, Sustainability, & Cement

- 1 pm **Dr. Masiello**, Professor of Earth, Environmental, and Planetary Sciences – Rice University
- 1:30 pm **Dr. Cohan**, Associate Professor, Civil and Environmental Engineering – Rice University
- 2 pm **Dr. Meidl**, Fellow in Energy and Environment, Center for Energy Studies, Baker Institute for Public Policy – Rice University
- 2:30 pm **Dr. Li**, University of CA (Maboudian and Monteiro Research Group)

3:00 – 3:30 pm BREAK

3:30 – 5:30 pm Technical Updates by Carbon Hub Academic Collaborators

Room 107 Session Chair: **Dr. Biswal**, Professor in Chemical and Biomolecular Engineering – Rice University
Topic area: Synthesis, Electrical

- 3:30 pm **Dr. Gailus**, Vice President of Engineering – Nanocomp Technologies
- 4 pm **Dr. McFarland**, Professor of Chemical Engineering – University of CA, Santa Barbara
- 4:30 pm **Dr. Wehmeyer**, Assistant Professor of Mechanical Engineering – Rice University
- 5 pm **Dr. Bulmer**, Advanced Power Team Leader – Air Force Research Laboratory

Room 108 Session Chair: **Dr. Rahman**, Assistant Research Professor, Materials Science & NanoEngineering – Rice University
Topic area: Structural/Composite, Architectural Applications

- 3:30 pm **Dr. Vilatela**, Head of Multifunctional Nanocomposites Group – IMDEA Materials Institute
- 4 pm **Dr. Royer-Carfagni**, Professor of Structural Mechanics – University of Parma, Italy
- 4:30 pm **Dr. Castellon**, Assistant Professor in Architecture – Rice University
- 5 pm **Dr. Goulthorpe**, Founder – DECOi inc; Associate Professor of Architecture – MIT

5:45 – 7:30 pm Networking Dinner (Cohen House, Rice University)