

**Science of Risk Discussion Forum Symposium on Mesoscale Weather Risk  
September 23<sup>rd</sup>, 2025**

**AGENDA**

- 8:45 AM**      **Check in and Breakfast**
- 9:30 AM**      **Welcome** **Nicholas Dirks**, The New York Academy of Sciences  
**Opening Remarks** **Robert V Slone**, UL Solutions
- 9:45 AM**      **Market Valuation for Carbon Sequestration, Methanation and Valorization**  
**Moderator:**  
**Robert V Slone**, UL Solutions  
**Panelists:**  
**David K A Mordecai**, UChicago-NYU  
**Gernot Wagner**, Columbia  
**Nizar Touzi**, NYU
- 11:00 AM**      **Break**
- 11:15 AM**      **Grid-Scale Intermittency, Storage and Transmission Capacity**  
**Moderator:**  
**Susan Minkoff**, Brookhaven  
**Panelists:**  
**John Birge**, UChicago  
**Clyde Loutan**, CAISO  
**Christoph Graf**, NYU  
**Ronnie Sircar**, Princeton
- 12:30 PM**      **Lunch**
- 1:45 PM**      **Digital Twins of Weather and Grid Optimization, a Critical Role for Numerical Optimization at Scale**  
**Moderator:**  
**Leslie Greengard**, Simons-Flatiron-NYU  
**Panelists:**  
**Mihai Anitescu**, Argonne-UChicago  
**John Birge**, UChicago  
**Pedro Jimenez**, NCAR-RAL
- 3:00 PM**      **Break**
- 3:15 PM**      **A Technical Role for Satellite Data in Digital Twins for Weather Risk and the Power Grid**

**Moderator:**  
**Kyle Mandli**, NCAR

**Panelists:**  
**Amy Braverman**, JPL-CalTech  
**John Irvine**, MITRE  
**Pedro Jimenez**, NCAR-RAL  
**Joseph Aylett Bullock**, UN

**4:30 PM**      **Weather Derivative Markets for Managing Transition Risks and Ancillary Exposures of Grid Operations**

**Moderator:**  
**John Irvine**, MITRE

**Panelists:**  
**Gabriel Provencher Langois**, NYU  
**Jatan Buch**, Columbia  
**David K A Mordecai**, UChicago-NYU

**6:00 PM**      **Closing Remarks**  
**Nicholas Dirks**, The New York Academy of Sciences

**6:15 PM**      **Networking Reception**

**7:15 PM**      **Event Concludes**