Stanford



Marc Roston

Senior Research Scholar, Precourt Institute for Energy

Bio

BIO

Marc Roston is a Senior Research Scholar at the Precourt Institute for Energy in the Stanford Doerr School of Sustainability where he leads research efforts in carbon accounting and carbon markets, financial institution transitions and climate-related insurance markets.

Prior to joining Stanford in 2020, Roston spent 25 years in the asset management industry where he held senior investment positions ranging from quantitative equity to private equity and everything in between. Roston advises financial institutions large and small on a diverse range of investment activities, with a particular emphasis on the intersection of insurance, hedge funds and private equity. He has served on the boards of public and private companies, as well as the investment committees of endowments and foundations.

Prior to forming his own investment and advisory firm, from 2004 to 2008, he was a Managing Director, chair of the investment committee and head of risk management for a a large alternative investment firm. In addition, he managed a financial services private equity fund where he launched several banks and insurance companies. Previously, he led equity strategies for the investment arm of a global consulting firm. He also managed asset allocation funds for the retirement plans, and developed a number of special situations investments. He began his career managing quantitative long/short equity for a major global bank.

Roston completed a PhD in Economics from the University of Chicago and a B.S. in Economics at Carnegie Mellon University.

ACADEMIC APPOINTMENTS

- Senior Research Scholar, Precourt Institute for Energy

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Senior Fellow, E-Liability Institute (2023 - present)

PROFESSIONAL EDUCATION

- PhD, University of Chicago , Economics (1996)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Climate finance, carbon markets, carbon accounting, insurance and reinsurance.

Publications

PUBLICATIONS

- **The carbon market can't trade: designing contracts and institutions for carbon removal assets** *OXFORD OPEN CLIMATE CHANGE*
  Roston, M.
  2026; 6 (1)

- **Three views of resolution in carbon markets parsing contractual, regulatory and atmospheric claims** *OXFORD OPEN CLIMATE CHANGE*
  Roston, M., Seiger, A., Heller, T.
  2026; 6 (1)

- **Pathways versus incentives: climate activism to climate aligned portfolio management** *OXFORD OPEN CLIMATE CHANGE*
  Roston, M., Maire, J., Seiger, A., Heller, T.
  2024; 4 (1)

- **What's Scope 2 good for?** *OXFORD OPEN CLIMATE CHANGE*
  Roston, M., Seiger, A., Mathieson, A.
  2024; 4 (1)

- **Accounting for Carbon Offsets** *HARVARD BUSINESS REVIEW*
  Kaplan, R. S., Ramanna, K., Roston, M.
  2023; 101 (7-8): 126-137

- **AI-Driven E-liability Knowledge Graphs: A Comprehensive Framework for Supply Chain Carbon Accounting and Emissions Liability Management**
  Oladeji, O., Mousavi, S., Roston, M.
  edited by Geib, C., Petrick, R.
  ASSOC ADVANCEMENT ARTIFICIAL INTELLIGENCE.2023: 124-134

- **What's next after carbon accounting? Emissions liability management** *OXFORD OPEN CLIMATE CHANGE*
  Roston, M., Seiger, A., Heller, T.
  2023; 3 (1)