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**Committee on Laying the Foundation for New and Advanced Nuclear Reactors in
the United States**

VIRTUAL MEETING #2 – Public Agenda
Monday, January 25th, EASTERN TIME

Register for the event: <https://advancednuclear.eventbrite.com>

Meeting Theme: Financing Challenges

11:00 – 11:10 a.m. Welcome and opening remarks

Richard Meserve, Committee Chair, and **Kasia Kornecki**, Study Director

****Each presentation will be ~20 minutes, followed by a ~30 minute Q&A with the study committee****

11:10 – 12:00 p.m.

Public Governance and Private Finance

John Parsons, Co-Director, MIT Low Carbon Energy Center on Advanced Nuclear Energy Systems

12:00 – 12:30 p.m. BREAK

12:30 – 1:20 p.m.

NASA-COTS, SpaceX, and Advanced Reactor Demonstration

Matt Bowen, Research Scholar, Columbia Center on Global Energy Policy

1:20 – 1:30 p.m. BREAK

1:30 – 2:20 p.m.

Venture Capital: Ways and Means to Funding and Guiding Advanced Technology Startups

Ray Rothrock, Chair and CEO of RedSeal, Inc.

2:20 – 2:35 p.m. Public Comment Period

Public viewers can fill out the comment form from the link on the livestream page

(<http://nationalacademies.org/deps-meeting-comments>). Time permitting, select comments will be read out loud. All comments will be made available to the committee and filed in the public record for this study.

2:35 – 2:45 p.m. Closing remarks and adjourn

Richard Meserve, Committee Chair

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Speaker Biographies

Dr. John Parsons is a financial economist specializing in risk management, corporate finance, capital investments and valuation. His research focuses on the problems of risk in energy and environment markets, the role of trading operations in energy companies, the valuation and financing of investments in energy markets, and the challenge of decarbonization. He is a Research Affiliate of the MIT Center for Energy and Environmental Policy Research (CEEPR) and Co-Director of the MIT Low Carbon Energy Center in Advanced Nuclear Energy Systems (CANES). He holds a BA in Economics from Princeton University and a PhD in Economics from Northwestern University. He has taught on the finance faculty at MIT's Sloan School of Management, at the Zicklin School of Business at the City University of New York's Baruch College and at the Columbia Business School. For ten years Dr. Parsons worked in the Finance Practice at the economics consulting firm CRA International, where he was a Vice-President and Principal. He worked with major international oil companies, mining companies and commodity processors, electric utilities and international pharmaceutical companies, among others on a wide variety of risk management and valuation matters.

Dr. Matt Bowen is a Research Scholar at the Center on Global Energy Policy at Columbia University SIPA, focusing on nuclear energy, waste, and nonproliferation. He was formerly a Nuclear Policy Fellow at Clean Air Task Force and a Senior Policy Fellow at the Nuclear Innovation Alliance. Dr. Bowen has written reports on federal and state policies to encourage advanced reactor development, and has also published papers on reforming U.S. nuclear export controls. During the Obama Administration, he was an Associate Deputy Assistant Secretary in the Office of Nuclear Energy and a Senior Advisor in the Office of Nonproliferation and Arms Control at the U.S. Department of Energy (DOE). Previous to working at DOE, he was an AAAS/APS Science Fellow for Senate Majority Leader Harry Reid. Dr. Bowen received a Bachelor of Science degree in physics from Brown University and a Ph.D. in theoretical physics from the University of Washington, Seattle. He has held positions at the National Academies with the Board on Physics and Astronomy, the Board on Energy and Environmental Studies, and the Division on Engineering and Physical Sciences.

Ray Rothrock is Executive Chairman and CEO of RedSeal Inc., an enterprise cyber security company, and founder of FiftySix Investments LLC, a seed stage investment fund. Rothrock transitioned to Partner Emeritus of Venrock, an early-stage tech investment partnership originally formed by the Rockefeller family in 2013. During his 25-year career at Venrock, he invested in 53 early-stage technology companies. A leader in the venture industry, he was elected by his peers as chairman of the National Venture Capital Association for 2012-13. He is an active angel investor and serves on the boards of many public and private companies, including TAE, a clean fusion company. Rothrock has testified several times before Congress and the President's Blue-Ribbon Commission on America's Nuclear Future, and he is an invited speaker on venture capital, startup companies, cyber security, nuclear energy, climate change, and energy policy in general. In 2018 he authored *Digital Resilience: Is Your Company Ready for the Next Cyber Threat*. In 2019 he was a co-producer of the Emmy-nominated *Chasing the Moon*. He is a founding member and director of the Nuclear Innovation Alliance as well as the board of the Breakthrough Institute. In addition to serving on the U.S. Department of Energy's Nuclear Energy Advisory Committee, he also serves on the Gateway for Accelerated Innovation in Nuclear (GAIN) Executive Advisory Board. Rothrock holds a B.S. in nuclear engineering from Texas A&M University, and an M.S. from MIT. He also has a MBA from the Harvard Business School.