

# Nuclear Technology

VOLUME 207 · NUMBER 9 · SEPTEMBER 2021

## Special issue on the Nuclear, Humanities, and Social Science Nexus

### Contents

- iii The Nuclear, Humanities, and Social Science Nexus: Challenges and Opportunities for Speaking Across the Disciplinary Divides  
*Aditi Verma*

### TECHNICAL PAPERS

- 1291 ASTRID, Back to the Future: Bridging Scales in the Development of Nuclear Infrastructures  
*Stéphanie Tillement, Frédéric Garcias*
- 1312 From “Inherently Safe” to “Proliferation Resistant”: New Perspectives on Reactor Designs  
*Sonja D. Schmid*
- 1329 NEA Framing Nuclear Megaproject “Pathologies”: Vices of the Modern Western Society?  
*Markku Lehtonen*
- 1351 Breaking Out of a Niche: Lessons for SMRs from Sustainability Transitions Studies  
*Mariia Iakovleva, Jeremy Rayner, Ken Coates*
- 1366 Styles of Revaluation: The Case of the Levelized Cost of Electricity  
*Başak Saraç-Lesavre*
- 1377 Mankala Chronicles: Nuclear Energy Financing and Cooperative Corporate Form in Finland  
*Vincent Ialenti*
- 1394 Social Scientists in an Adversarial Environment: The Nuclear Regulatory Commission and Organizational Factors Research  
*Thomas R. Wellock*
- 1410 Revisiting Safety Culture: The Benefits of a New Cultural Analysis Framework for Safety Management  
*Elsa Gisquet, Sophie Beauquier, Emilie Poulain*
- 1423 Structural Ignorance of Expertise in Nuclear Safety Controversies: Case Analysis of Post-Fukushima Japan  
*Kohta Juraku, Shin-Etsu Sugawara*
- 1442 “Economizing” TEPCO’s Responsibility for the Fukushima Daiichi Nuclear Power Plant Accident  
*Eri Kanamori*

—continued—

## Contents continued

VOLUME 207 · NUMBER 9 · SEPTEMBER 2021

- 1456** Changing the System Culture: Mobilizing the Social Sciences in the Swedish Nuclear Waste System  
*Thomas Kaiserfeld, Arne Kaijser*
- 1469** The Power and Limits of Classification: Radioactive Waste Categories as Reshaped by Disposal Options  
*Céline Parotte*
- 1483** Geographies of Energy—A Course in Sociotechnical Decision Making  
*Lisa Marshall*