

Securing Critical Resources in a New Green and Industrial Era

Market perspectives from Japan and the United States

Stanford University, November 30, 2016

Co-sponsored by Sasakawa USA and Shorenstein Asia-Pacific Center, Stanford University

- 9:00AM Welcome **Dennis Blair**, CEO, Sasakawa USA
 Takeo Hoshi, Director, Japan Program, Shorenstein Asia-Pacific
 Research Center, Stanford University
- 9:10AM Scene Setter: Key Issues in Critical Resources
 David Abraham, Author, *The Elements of Power* and Senior Fellow,
 New America
- 9:30AM Panel 1: ***Identifying Resource Insecurity: The Unique Supply Line Challenges
of Rare Metals***
Moderator: **Richard Dasher**, Director, US-Asia Technology Management Center,
Stanford University
 Yuuko Yasunaga, Director of Mineral and Natural Resources
 Division, Ministry of Economy, Trade, and Industry of Japan
 Thomas Graedel, Clifton R. Musser Professor Emeritus of Industrial
 Ecology, Yale University
 John Thompson, Wold Family Professor in Environmental Balance
 for Human Sustainability, Cornell University
- 10:30AM Break
- 10:45AM Panel 2: ***The Rare Metal Age: Industrial Developments and the Rush for New
Metals***
Moderator: **Daniel Bob**, Senior Fellow and Director of Programs, Sasakawa
USA
 Yutaka Tai, Director, Materials Technology and Nanotechnology
 Department, New Energy and Industrial Technology Development
 Organization
 Saleem Ali, Blue and Gold Distinguished Professor of Energy and
 the Environment
 Reinhold Schindler, Director of Purchasing Council for Magnets
 and Rare Earth, Siemens
 Simon Moores, Managing Director, Benchmark Mineral Intelligence
- 11:45AM Video message: ***Setting the Government Agenda for Ensuring Critical
Resources***
 Senator Lisa Murkowski, Chairman, Senate Energy and Natural
 Resources Committee
- 12:00PM Lunch
- 12:30PM Keynote Address: ***Rare Metals in Defense and National Security***

Moderator: **Takeo Hoshi**, Director, Japan Program, Shorenstein Asia-Pacific Research Center, Stanford University
Dennis Blair, CEO, Sasakawa USA

1:00PM Break

1:15PM Panel 3: ***Identifying Material Concerns and Solutions to Enhance Resiliency in Supply Lines.***

Moderator: **Daniel Sneider**, Associate Director, Shorenstein Asia-Pacific Center, Stanford University
Elbert Loois, Managing Partner, HTM Advisory
Luka Erceg, Executive Chairman, DryLet
Nick Kotaki, Managing Director, Material Trading Company Ltd.
Geoff Bedford, President and CEO, Neo Performance Materials

2:15PM Break

2:30PM Panel 4: ***Strategies for a New Industrial Age: Substitution, Recycling and a Circular Economy***

Moderator: **Martin Steurner**, Research Economist, Federal Reserve Bank of Dallas
Steve Conlin, President, ICD Alloys and Metals
David Abraham, Author, *The Elements of Power* and Senior Fellow, New America
Toru Okabe, Professor, Department of Materials Systems and Dynamics, University of Tokyo
Ian Monroe, Visiting Scholar, School of Earth Science, Stanford University

3:30PM **Summary and Way Forward**

Dennis Blair, CEO, Sasakawa USA
David Abraham, Author, *The Elements of Power* and Senior Fellow, New America

3:45PM **Adjourn**