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**