GRIPS NATIONAL GRADUATE INSTITUTE FOR POLICY STUDIES

GiST GRIPS Innovation, Science and Technology Policy Program

The 128th GIST Seminar

Between Two Cacti

- The Hy Velocity Hydrogen Hub and Energy Ventures & Innovation-

Speaker:

Dr. Brian Korgel

Director, Energy Institute

The Rashid Engineering Regents Chair Professor
in the McKetta Department of Chemical Engineering

University of Texas at Austin

- **Date:** **17:30-19:00, June 6th Thu, 2024 (Doors open at 17:00)**
- **Venue:** **5th Floor, Lecture Room L, GRIPS**
  7-22-1 Roppongi, Minato-ku, Tokyo

http://www.grips.ac.jp/en/about/access/

- **Organizer: GRIPS Innovation, Science and Technology Policy Program (GIST)**
- **Language: English**
- **Outline**

Energy system is at a cross road. Without a major acceleration in clean energy innovation, net-zero emissions targets will not be achievable. While we also need to enhance energy security, decarbonising will largely demand the development of new technologies not yet in use such as hydrogen , CCS, advanced nuclear technologies. And many of the clean energy technologies available today need more work to bring down costs and accelerate deployment.

In the United States in order to achieve the target under the energy transition, leaders are responding to new policy framework such as the Infrastructure Investment and Jobs Act and the Inflation Reduction Act.

In order to develop new clean energy system, it is also important to accelerate new energy venture development with technologies which has never implemented in the existing energy system as same as to collaborate with incumbent energy enterprises.

Austin is the state capital of Texas and well-known for its high tech industry cluster as "Silicon Hills". It has led the clean energy venture development since early 2000.

University of Texas at Austin is ranked top 10 university in various fields in the U.S. A and has supported new venture development activities from the beginning in Austin .

It is also one of the leading university for clean energy system development in the United States.

Hy Velocity Hydrogen Hub is one of the seven Regional Clean Hydrogen Hub selected by U.S. Department of Energy, Oct. 2023. It is a collaboration of non-profit research organizations, academia, and energy companies working to advance the clean hydrogen ecosystem in Texas, Southwest Louisiana, and along the U.S. Gulf Coast. UT Austin is the leading academic organization and a founding member of the hub.

At this seminar Dr. Brian Korgel will explain how the large federal investment along with matching capital from industry could help southeast Texas to lead the way in clean hydrogen development.

He will also give his view on how to rebuilt business ecosystem for developing clean energy new venture including the way to bridging the gap between industry and academia to advance energy research.

Since we have similar challenges here in Japan , his view will give some guidance to our road for the future

After his presentations, Prof. Hisanori Nei of GRIPS will moderate Q&A sessions.

- **Speaker's Short bio**

Dr. Brian A. Korgel is the Director of The University of Texas at Austin Energy Institute and the Rashid Engineering Regents Chair Professor in the McKetta Department of

Chemical Engineering. He also directs the Industry/University Cooperative Research Center (IUCRC) for a Solar Powered Future (SPF2050), the Nanotechnologies area of the UT Austin Portugal Program at UT, and serves as Associate Editor of the journal, Chemistry of Materials. He is a former Fulbright Fellow and has been Visiting Professor at the University of Alicante in Spain, the Université Josef Fourier in France and the Chinese Academy of Sciences in Beijing.

He received his PhD in Chemical Engineering from UCLA in 1997 and was a post-doctoral fellow at University College Dublin, Ireland, in the Department of Chemistry. He has given more than 260 invited talks and published more than 280 papers. He is also an artist, exploring language and human/technology cohabitation.

He has co-founded two companies, Innovalight and Piñon Technologies, and received various honors including the 2012 Professional Progress Award from the American Institute of Chemical Engineers (AIChE) and election to Fellow of the American Association for the Advancement of Science (AAAS). He is also a member of the National Academy of Engineering (NAE).

◆ **Program**

17:30-17:35 **Introduction by Prof. Hisanori Nei(Moderator)**
17:35-18:25 **Presentation by Prof. Brian Korgel**
18:25-19:00 **Open discussion and close**

◆ **Moderator**

Hisanori Nei, Emeritus Professor at GRIPS

◆ **Warnings**

This is an in person seminar.

◆ **Registration**

Please register at this registration form (https://forms.gle/6ZfSNXPi5aQrNF3j6)by 17:00, May 31st Fri . If you cannot open the form, please send email to GIST Secretariat, gist-ml@grips.ac.jp. Registration email must include: 1) your name, 2) institution, 3) position, and 4) e-mail address.