

# TOKYO COLLEGE

共に考える。未来のかたち Shaping a Shared Future Together

Lecture

Zoom  
Webinar

## Energy Transformations for Decarbonization and Sustainability

With the increasing public concerns on climate change and environmental sustainability, in the next decades “fossil fuel energy” will be transformed into “electron energy” with renewable electricity. This lecture will focus on three ways of addressing some of the challenges that arise with renewable energy such as its storage and irregular production. These include non-equilibrium energy and chemical conversion, materials manufacturing, and upcycling. The benefits of these processes will also be discussed relative to decarbonization and sustainability.

2023. **9.13** [Wed.]  
15:30-17:00 JST

Speaker

**Yiguang JU**

Visiting Professor,  
Tokyo College,  
The University of Tokyo  
Robert Porter Patterson  
Professor,  
Princeton University



Commentator

**MINO Takashi**

Deputy Director, Tokyo College,  
The University of Tokyo



Moderator

**Xinyu Promio WANG**

Project Assistant Professor, Tokyo College,  
The University of Tokyo

Venue

Zoom Webinar

Language

English (Japanese interpretation)

Contact

[tokyo.college.event@tc.u-tokyo.ac.jp](mailto:tokyo.college.event@tc.u-tokyo.ac.jp)

Pre-registration required

[▶ Register here](#)



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