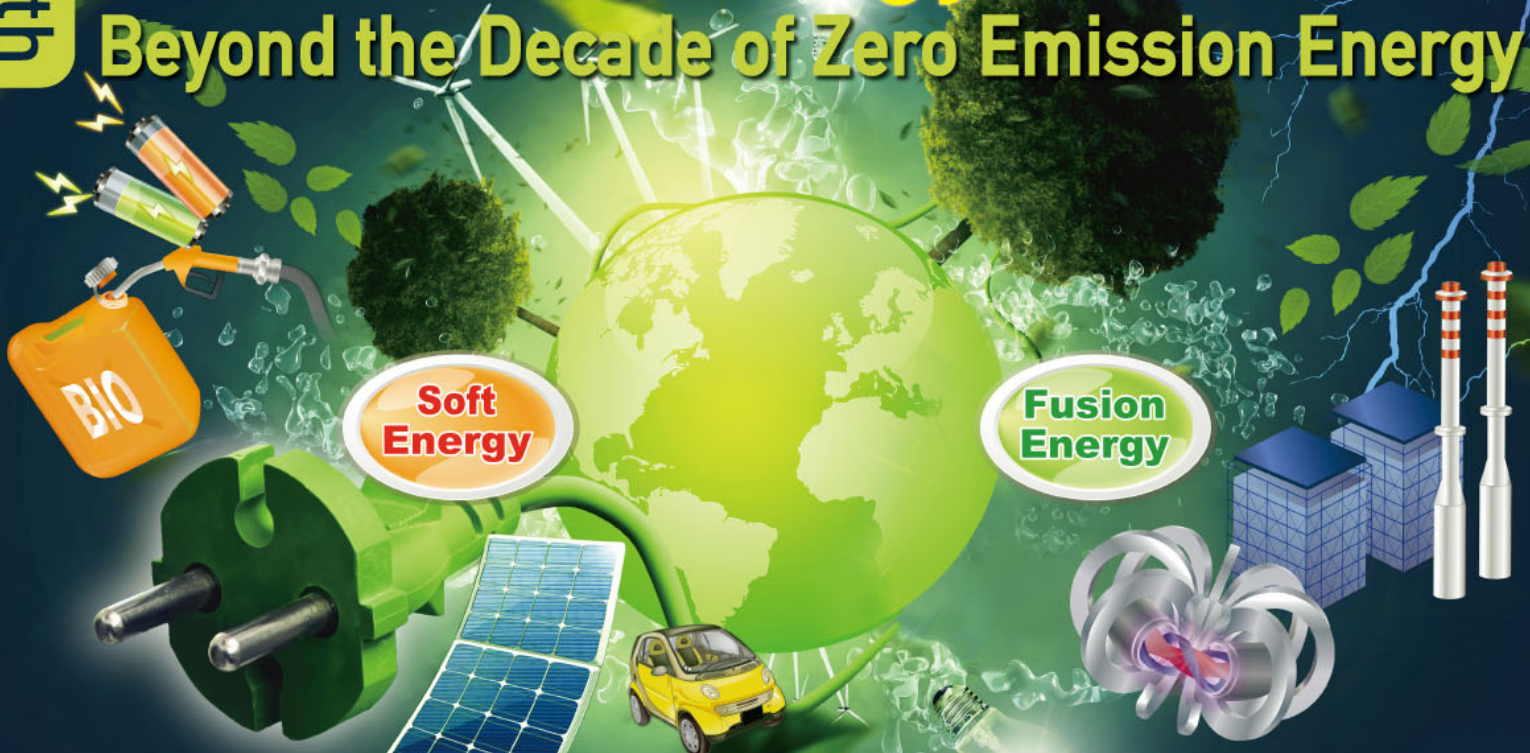


The 10th

# International Symposium of Advanced Energy Science Beyond the Decade of Zero Emission Energy



## Sept. 4-6, 2019

[Venue] Kihada Hall, Uji Obaku Plaza, Kyoto University, Uji Campus, Kyoto, Japan

### Plenary Speaker



### Akira FUJISHIMA

Photocatalysis, Photofunctional Material

Distinguished Professor  
Tokyo University of Science Photocatalysis International Research Center, Japan

**Active Approach Forward for Comfortable World**

Organized by Institute of Advanced Energy,  
Kyoto University and Joint Usage/  
Research Center for Zero-Emission Energy Research, IAE

### Invited Speakers



#### Keigo AKIMOTO

Research Institute of Innovative Technology for the Earth (RITE), Japan  
Leader of Systems Analysis Group

Energy systems engineering

"Current policies and issues, and strategies in the future on energy and climate change response"



#### Jean-Guy BERRIN

INRA - Biodiversity and Biotechnology of Fungi, France  
Dr.

Biotechnology and Second-Generation Biofuels

"Fungal biodiversity as a source of enzymes for the conversion of biomass into biofuels"



#### Sang-Yong JU

Yonsei University, Korea  
Associate Professor

Nanoscience

"Optical anisotropy of handed carbon nanotubes assembled with chiral flavin helix and its application for Hg(II) sensor"



#### T. P. Radhakrishnan

University of Hyderabad, India  
Professor

Materials Chemistry

"In situ Fabricated Polymer-Metal/Semiconductor Nanocomposite Thin Films and their Multifaceted Applications"



#### Filippo SCOTTI

Lawrence Livermore National Laboratory, USA  
Research Scientist

Plasma physics

"Transport and turbulence in the scrape-off layer and divertor of the National Spherical Torus Experiment"



#### Konstantina LAMBRINO

SCK•CEN, Belgium  
Scientific collaborator

Materials Science & Engineering

"Development and qualification of accident-tolerant fuel cladding materials: the H2020 IL TROVATORE approach"

## Program

Sept. 4-5

Oral Session  
Panel Discussion

Sept. 5

Oral Session  
Poster Session

Sept. 6

Parallel Seminar I  
(Plasma)

Topical Seminar on "Physics, Diagnostics and Analysis of Magnetic Fusion Divertor Plasmas"

Parallel Seminar II  
(Biomass)

Discovery of fungal carbohydrate-active enzymes to unlock the deconstruction of lignocellulosic biomass

Parallel Seminar III  
(Solar)

Symposium on Exploring Broadband Energy Science 2019

Contact The Joint Usage/Research Center for Zero Emission Energy Research e-mail: kyodo@iae.kyoto-u.ac.jp

[http://www.iae.kyoto-u.ac.jp/zero\\_emission\\_e/](http://www.iae.kyoto-u.ac.jp/zero_emission_e/)

