



The Fifth International Symposium on Innovative Materials and Processes in Energy Systems, IMPRES2019

–Pursuing Low-Carbon Society by Innovative Energy Materials and Processes–



Photo credit: Kanazawa City

First ANNOUNCEMENT

Date:

20th – 23rd October, 2019

Venue:

Kanazawa Chamber of Commerce and Industry (KCCI), 9-13, Oyama-cho, Kanazawa, Ishikawa 920-8639, Japan

Tel +81-76-263-1151

URL: <http://www.kanazawa-cci.or.jp/rooms/>

Web URL:

<http://www.knt.co.jp/ec/2019/impres2019/index.html>

ORGANIZERS

Society of Chemical Engineers, Japan
IMPRES Organizing Committee

CO-ORGANIZERS

Division of Energy Engineering, SCEJ

SUPPORTERS

Foundation for Interaction in Science & Technology, Japan

TBA

Scope

Energy efficient usage is the key issue for our low-carbon society in bright future. The importance of development of innovative energy materials and processes was well recognized for efficient energy systems. Then, the first IMPRES was organized for keen discussion for the materials in Kyoto, Japan, in 2007. The IMPRES were took over fortunately in every three years at Singapore in 2010, Fukuoka, Japan, in 2013 and Sicily, Italy, in 2016. The evolution of the innovative materials and change of required specification of the materials are progressed rapidly in the last decade. The IMPRES is required to seek the ways for pursuing the material and process development and to adopt constantly with technology innovations and social changes.

IMPRES2019 is organized for mutual communication for new concepts and new ideas for the innovative materials and processes in energy system. All of researchers related with IMPRES are welcome to the event in beautifully traditional Kanazawa, Japan.

TOPICS

1. Thermal energy conversion and storage
 - Thermal energy storages
 - Thermal energy conversions
 - Sorption heat pumps
 - Desiccant systems
 - Desalination
2. Electric energy conversion and storage
 - Fuel cells
 - Battery, Electricity storage
 - Photovoltaic and Thermoelectric devices
3. Low carbon technologies
 - Hydrogen production, storage and systems
 - Carbon capture and utilization (CCU) technologies
4. Energy processes and material properties
 - Separation
 - Reactors
 - Heat and mass transfer
 - Thermophysical properties
 - System reliability (corrosion, sealing, selectivity, etc.)
 - Durability in repetitive operation including severe conditions
5. Environment and Biomass energy technologies
6. Energy System Design and Evaluations
7. Others

COMMITTEES

General Chair:

Yukitaka Kato Tokyo Inst. Technology

Chair:

Akio Kodama Kanazawa Univ.

ORGANIZING COMMITTEE

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Masashi Haruki Kanazawa Univ.

Mikio Kumita Kanazawa Univ.

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 Masashi Haruki Kanazawa Univ., Japan

Call for Papers

The conference will be conducted in English. Extended abstract(s) (2 pages in maximum) related to the above topics are invited by January 15, 2019. The extended abstract stating clearly the objective of the work, results and a brief conclusion should be uploaded through the submission page of the Web-site. Author(s) should indicate which topic area the paper is addressing. Papers which do not meet the above

topics should be labeled as "other". The author is requested to submit paper for the symposium proceedings by May 31, 2019. The length of the manuscript is 2 pages in minimum and 4 pages in maximum. The submitted papers will go through peer-review process. Accepted ones will be finally distributed to participants in the symposium.

- Technical papers will be presented either orally or by posters
- Selected contributions from the symposium will be published, after due peer review process, in:
 - Journal of Chemical Engineering of Japan
 - Applied Thermal Engineering
 - Heat Transfer Engineering

Registration

Online registration will start from May, 2019. The registration fee includes full participation to all of academic presentations, congress materials and coffee break. The online registration accepts only credit card payment. *The onsite registration is only payable by cash, please.*

REGISTRATION FEES (All fees are in Japanese Yen.)

	Before 31 July, 2019	After 1 August, 2019
Regular	70,000	90,000
Student	30,000	40,000
Spouse*	10,000	13,000
Banquet (22 Oct)	10,000	13,000

Registration fee includes: Participation in all programs/ Congress materials/ Reception/ Lunch/ Tea breaks

*Spouse fee includes: Participation in only Reception/ Banquet

Cancellation policy: The cancellations must be received on or before 31 July, 2019. In this case, registration fees will be refunded after deducting the cancellation fee (10,000 JPY). No refunds will be made for any cancellation after that date.

Important dates

Abstract (1 or 2 pages) submission deadline
 15 January, 2019

Notification abstracts acceptance
 30 March, 2019

Manuscript (2 – 4 pages) submission deadline
 31 May, 2019

Early registration deadline
 31 July, 2019

Symposium
 20-23 October, 2019

Contact

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Kanazawa Tourist Information
<http://visitkanazawa.jp/>

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