Important dates

Deadlines

Pre-peer reviewed paper

Dec. 31st, 2015. : Deadline for submission of manuscript to the special feature of Journal of Material Cycles and Waste Management (JMCWM)

Regular paper

May 1st, 2016. : Deadline for submission of abstract

Jun. 15th, 2016. : Abstract acceptance notification

Aug. 15th, 2016. : Deadline for full length paper submission

Registration fees

Categories	On or before Aug. 15th 2016	After Aug. 16th 2016
Regular	US$ 350, JPY 42,000	US$ 450, JPY 54,000
Student	US$ 160, JPY 20,000	US$ 280, JPY 34,000
Accompany person	US$ 160, JPY 20,000	US$ 280, JPY 34,000

The registration fee includes all scientific sessions, a hard copy of the abstracts and pre-peer reviewed papers, USB memory of the proceedings, all conference materials, luncheons, banquet, coffee breaks, and the technical tour.

Kyoto

Kyoto, the ancient capital of Japan, lies in a basin surrounded by mountains on three sides. Over its 1,200-year history, Kyoto has blended diverse cultures, and is called the spiritual home of the Japanese. In central Kyoto, the streets and alleys run east-west and north-south, forming a grid pattern. In addition to its 14 UNESCO World Heritage Sites, including Nijo Castle, Kyoto is home to more than 2,000 shrines and temples. Mountains and forests account for roughly three-quarters of the municipal area, which extends longitudinally. The remaining quarter of the land area comprises the urban district, centered on the Imperial Palace. Due to its basin-specific climate, Kyoto undergoes drastic temperature changes between day and night, and between the hottest and coldest periods of the year, so it is renowned for the beauty of its clearly defined seasons.

Kyoto is a historic city that attracts tourists from all over Japan and the world. Moreover, Kyoto is an academic center and boasts several universities and junior colleges. It is an environmentally advanced city that can serve as a role model for a low-carbon, recycling-oriented society. In summary, Kyoto is a city with many attractions.

Venue

Kyoto Research Park (KRP): Chudoji Shimogyo-ku, Kyoto, 600-8813 Japan

TEL +81-75-322-7888

Since its foundation over 25 years ago, KRP has hosted numerous international conferences. About 80,000 people participate in conferences held in KRP every year. English-speaking staff members are always available. It takes ten minutes by taxi from JR Kyoto Station. The detail information on the Venue can be obtained at **www.i-cipec.jp**.

Chairman of the Conference

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Prof. Masaki Takaoka(Kyoto University, Japan)

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Co-organized

- Agency for Health, Safety and Environment, Kyoto University,
- Graduate School of Global Environmental Studies, Kyoto University,
- Graduate School of Engineering, Kyoto University,
- Japan Society of Material Cycles and Waste Management

i-CIPEC 2016

9th International Conference on: Combustion, Incineration/Pyrolysis, Emission and Climate change

First Announcement
and Call for Papers

September 20 - 23, 2016,

Kyoto, Japan

Pre peer review paper: Manuscript submission, Dec. 31st, 2015.
Regular paper: Abstract submission, May 1st, 2016.
(www.i-cipec.jp)

Invitation

The International Conference on Combustion, Incineration/Pyrolysis, Emission and Climate Change (i-CIPEC) is an important conference focusing on research in thermal engineering. The main goal of this conference is to build a platform for scientists and engineers to share their research output and experience. i-CIPEC began in Korea in 2000, and seven subsequent conferences have been held in Jeju, Korea in 2002, Hangzhou, China in 2004, Kyoto, Japan in 2006, Chiang Mai, Thailand in 2008, Kuala Lumpur, Malaysia in 2010, Seoul, Korea in 2012, and Hangzhou, China in 2014. More than 180 specialists from 14 countries participated in the last conference in 2014.

The Scientific Committee of i-CIPEC now honors Japan, which will host the 9th i-CIPEC in Kyoto on **21–23 Sep., 2016**. The Conference will be organized jointly by the Graduate School of Engineering, Graduate School of Global Environmental Studies, and Agency for Health, Safety, and the Environment, all of Kyoto University.

Initially, the i-CIPEC conferences focused on the thermal conversion of municipal and industrial solid wastes. However, due to the increasing importance of alternative energy as a substitute for rapidly depleting fossil fuels, and of reducing CO_2 emissions, the i-CIPEC conferences now also cover energy-saving technologies in plants using fossil fuels and biomass-conversion technologies. Despite the expanded scope, the core technologies discussed remain unchanged: combustion, incineration, pyrolysis and gasification.

However, the issues that need to be addressed are becoming increasingly complex, including not only the more traditional concerns of resource efficiency and emission control but also life cycle impacts, climate change, energy security, and sustainability. These and other related issues will be discussed at this 2-day conference.

In addition, a pre-conference workshop on "Challenges in Mercury Waste Treatment/Disposal" is scheduled for **Sep. 20, 2016**. As part of this Conference, there will be an exhibition offering companies and organizations an opportunity to publicize their products and services. A technical tour will also be offered. Additional information on the Conference can be obtained at **www.i-cipec.jp**.

Objectives

This conference is aimed at providing an international forum for participants from academia, industry, and government agencies to report on research and development results, to interact, and to identify opportunities for cooperation in the fields of combustion, incineration, pyrolysis, emission control, and climate change. It will also include contributions on non-thermal treatment techniques (mechanical, biochemical, and chemical), thus closing the loop on the residues of all human activities.

During this conference, you will have an opportunity to share your research experience with many international scientists and engineers.

Major Topics

The 9th i-CIPEC will cover both fundamental and applied topics including:

A: Combustion
- Advanced Combustion Technology
- The combustion of Low NOx and products of incomplete combustio(PICs)
- Combustion of Disaster Waste

B: Conversion to Clean Energy
- Utilization of Biomass and Wastes
- Pyrolysis and Gasification / New Materials / New Processes
- Thermal treatment of Sewage Sludge

C: Waste-to-Energy Conversion
- New Waste-to-Energy Technology
- Mechanical Biological Treatment(MBT) and Fuels from Waste
- Anaerobic Digestion and Biogas Process

D: Emission Control (Air pollution and Residues)
- Advanced Emission Control System for NOx, SOx, HCl, VOC et al.
- Dioxins, PAHs and other POPs Emission Control and Management
- PM2.5, PM10, Heavy metal and Radioactive nuclides.

E: Global Warming and Green House Gases (GHGs) Management
- Climate Change Issues/New and Alternative Energy
- CO_2 Capture Storage (CCS) and GHGs Emission Trading

F: Environmental Health Effect
- Environmental Issues of Combustion, Incineration and Alternative Energy
- Hazardous Waste Treatment
- Health Risk Assessment of PICs and Air Pollution

G: Economy and Policy
- Life Cycle Assessment(LCA)
- Input-Output Analysis and Material Flow Analysis(MFA)
- Cost-benefit analysis

H: Other Related Topics

Exhibition

The Organizing Committee extends an invitation to all exhibitors interested in showcasing their products during **Sep. 21–22, 2016**. Every effort will be made to ensure that participation at the Exhibition is fulfilling and productive for attendees and exhibitors.

Additional information on the exhibition can be found on the conference website **(www.i-cipec.jp)** or obtained by contacting the i-CIPEC 2016 Secretariat **(icipec2016@epsehost.env.kyoto-u.ac.jp)**.

Pre-conference workshop

A one-day pre-conference workshop on "Challenges in Mercury Waste Treatment/Disposal" will be held on **Sep. 20, 2016**. Various aspects related to the topic of this workshop−technology, environment, management, and economics−will be addressed and presented by experts in those fields, including case studies from Asian countries, Europe, and the USA.

Call for Papers

Pre-peer reviewed paper (new trial):

Pre-peer reviewed, accepted and published by the Journal of Material Cycles and Waste Management (JMCWM).

Please submit your paper by **Dec. 31, 2015** via the editorial manager of JMCWM at **http://www.editorialmanager.com/jmcw/default.aspx**. Please select "Special Feature: Original Article" or "Special Feature: Note" on this site. Your desire to submit the paper for the Special Issue of the 9th i-CIPEC should be mentioned in the Author Comments space.

If the paper is accepted, the author has to present the work at the 9th i-CIPEC.

Regular paper:

An abstract in English should be submitted no later than **May 1, 2016**. The submitted abstract will be subject to peer review for originality, technical content, objectivity, and absence of commercialism.

Notification of acceptance will be delivered on **June 15, 2016**. The author(s) whose abstracts are accepted must submit the full-length paper, either for oral or poster presentation, by **Aug. 15, 2016**. Those authors who fail to meet all of the announced deadlines and requirements will not be allowed to present their papers at the conference and the papers will not be included in the conference proceedings. Authors wishing to submit an abstract should read the following instructions carefully and send it by the online submission system at: **www.i-cipec.jp**.

The abstract should be less than 2 pages (in MS word), spaced at 1.5 lines, typed in Times New Roman 12 point, and in English, and should include:
- Applicable category: A-H as indicated in "Major Topics"
- Full title of the paper
- Full name and address (postal address, Tel, FAX, and e-mail) of the corresponding author
- Full name of each author and co-author, and respective affiliation
- Rational and objective of the work
- Approach and methodology
- Results and discussion
- Conclusion

Only contributions complying with these specifications will be considered for peer review.

i-CIPEC 2016 Secretariat

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