

ISEM2014

The 5th International Symposium on Energetic Materials and their Applications

12-14 November, 2014, Fukuoka, Japan

Organized by Japan Explosives Society

<http://www.jes.or.jp/ise/2014/>

Chairman : Prof. Mitsuru Arai, The University of Tokyo

Symposium Chairman : Prof. Atsumi Miyake, Yokohama National University

火薬学会

Japan Explosives Society

SCOPE

The scope of the 5th International Symposium on Energetic Materials and their Applications (ISEM2014) includes both fundamental researches and industrial applications related to energetic materials. The objectives are to obtain an overview of the most recent international research efforts and to provide opportunities for scientists and engineers to establish avenues for cooperation and collaboration.

VENUE

The Luigans Spa & Resort, Fukuoka City, Fukuoka, JAPAN (in the North of Kyushu Island).

CALL FOR PAPERS

All prospective authors for Oral Presentation and Poster Presentation should submit the abstract of about 250 words by **16 June, 2014**. Online submission is available on the ISEM2014 website (<http://www.jes.or.jp/ise/2014/>). As for the full paper, please submit to Editorial Office of the Japan Explosives Society. The deadline for full paper submission is 14 November, 2014. For more questions about the submission, please contact the Secretariat.

PUBLICATION

Accepted abstracts will be published in the symposium abstracts book. Additional full papers featuring the presentation will be eligible for publication in the journal of the "**Science and Technology of Energetic Materials**".

LANGUAGE

The official language at the symposium is English.

IMPORTANT DATES

16 June, 2014	Abstract Due
30 June, 2014	Notification of Acceptance
31 August, 2014	Early Registration Due
14 November, 2014	Full Paper Due

INVITED SPEAKERS

- *Prof. Bibhu Mohanty, University of Toronto (Canada)
- *Dr. Eric Giraud, Safran Herakles (France)
- *Prof. Ernst-Christian Koch, Cranfield University (UK)
- *Prof. Valery P. Sinditskii
D. Mendeleyev University of Chemical Technology of Russia

REGISTRATION FEES

	Early	Normal
JES Member:	50,000 JPY	55,000 JPY
Non-Member:	55,000 JPY	60,000 JPY
Student :	20,000 JPY	20,000 JPY
Accompanying Person:	5,000 JPY	5,000 JPY

•Registration is available on the ISEM2014 website.
<http://www.jes.or.jp/ise/2014/>

•Member/Non-Member/Student Fee includes:
Book of abstracts, Coffee breaks (12-14 Nov.),
Welcome party (11 Nov.), Lunch (12 and 13 Nov.)
Dinner (12 Nov.), Banquet (13 Nov.).

•Accompanying Person Fee includes:
Coffee breaks (12-14 Nov.),
Welcome party (11 Nov.), Lunch (12 and 13 Nov.)
Dinner (12 Nov.), Banquet (13 Nov.).

SECRETARIAT

Dr. Kiyoshi Hashizume, Japan Explosives Society, 2-3-22, Azabudai, Minato-ku, Tokyo 106-0041, JAPAN
Phone : +81-3-5575-6605, Fax : +81-3-5575-6607, E-mail: ISEM2014-ml@aist.go.jp

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	Dr. Eric Giraud
	Prof. Ernst-Christian Koch
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	Dr. Yoshio Nakayama

TOPICS

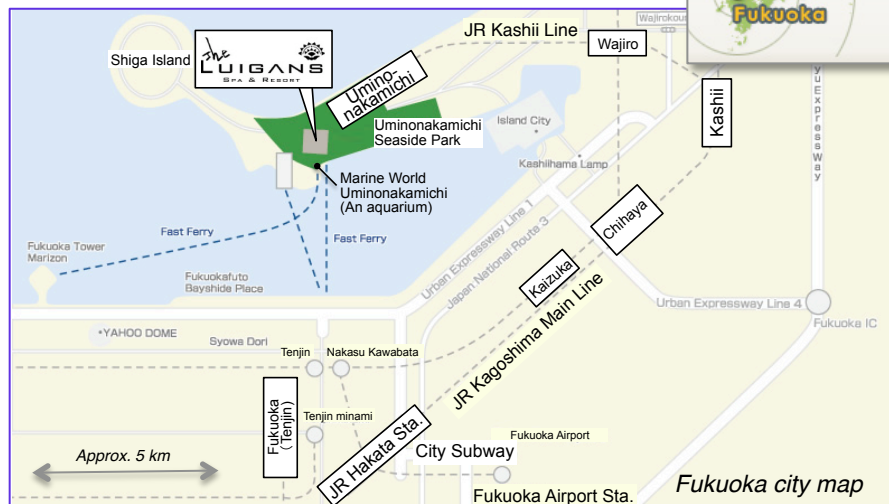
The following is the list of topics that this symposium will cover.

- 1) Synthesis and Characterization**
New Energetic Compounds
Industrial Explosives
Blasting Agents
Propellants
Sensitivity and Performance
Disposal and Recycling
Theoretical Modeling
Gas Generants
- 2) Combustion and Detonation**
Detonation and Deflagration
SDT, DDT, XDT
Non-Ideal Behavior
Computations
- 3) Pyrotechnics**
Initiators and Detonators
Safety Devices
Fireworks
Air Bag Inflators & Gas Generators
- 4) Blasting**
Air Blast
Blast Vibration & Sound
Rock Fragmentations
Channel Effects
Computer Modeling & Design
- 5) Shock Compression**
Equations of State
Shock Processing
Numerical Modeling
- 6) Hazard, Safety, Security & Risk Managements**
Hazard Assessment
Safety & Security Evaluation
Analysis of Accidental Events
Regulations and GHS
Analysis and Detection of Explosives
- 7) Detonation & Shock Waves in Gaseous Phase**
Pulse Detonation Engines
DDT
Cell Structure
Chemical Reaction in Gas Detonation
Numerical Modeling
- 8) Miscellaneous**
Any other topics related to the energetic materials are also welcome.

ACCESS

The LUIGANS SPA & RESORT

18-25 Saitozaki, Higashi-ku, Fukuoka, 811-0321 JAPAN.
TEL: +81-92-603-2525, FAX: +81-92-503-2828
<http://www.luigans.com/en/>



*Access to Fukuoka

Approximately 105 minutes from Haneda or Narita Airport or to Fukuoka Airport.
Approximately 70 minutes from Osaka International Airport to Fukuoka Airport.

*Access from Fukuoka

Approximately 40-60 minutes from Fukuoka Airport.

By shuttle bus

The hotel will provide complimentary shuttle buses from Fukuoka Airport and JR Hakata Station to the venue.

By train

Take City Subway Line at Fukuoka Airport Station and head to JR Hakata Station.
Transfer to the JR Kagoshima Main Line for Kashii Station.
Transfer to the JR Kashii Line for Uminonakamichi Station, the nearest station.