

# ISEM 2005

火薬学会

Japan Explosives Society

The 2nd International Symposium on

## Energetic Materials and their Applications

26-27 May, 2005 Tokyo, Japan

Organized by Japan Explosives Society <http://www.soc.nii.ac.jp/jes/>

Chair : Prof. Terushige Ogawa, Yokohama National University, Co-Chair : Prof. Mitsuo Koshi, The University of Tokyo  
Symposium Chair : Dr. Shuzo Fujiwara, AIST

### Web Registration

[www.eblo-ti.com/isem2005/](http://www.eblo-ti.com/isem2005/)

On line Registration for ISEM2005 will start at the above web site from 1 October, 2004

Early Registration Deadline is 31 March, 2005.

Please complete the "On-line Registration Form, after reading the details of fees and payment methods, Your form will automatically be submitted to the Office of ISEM 2005 and you will be receiving the confirmation e-mail.

Registration Fees include the Abstract Book and the Banquet.

Registrations on and after 1 April, 2005 will be regarded as Regular Registration.

### Early Registration Fee

from 1 October to 31 March, 2005

JES Member: 30,000 yen

Non-Member: 35,000 yen

Student: 15,000 yen

### Regular Registration Fee

on and after 1 April, 2005

JES Member: 35,000 yen

Non-Member: 40,000 yen

Student: 15,000 yen

### Important Dates

Abstract due: 7 Jan., 2005

Notification of Acceptance: 31 Jan., 2005

Pre-registration due: 31 March, 2005

Manuscript due: 27 May, 2005

### Events

#### Banquet

The banquet will be held on the evening of 26 May, Thursday. Banquet-only fee is 5,000 yen.

#### Technical Tour & Excursion

Excursion and Tsukuba Science City Tour are planned on 28 May (Sat). Detail will be up on the Web.

#### Accompany Persons Program

Detail will be up on the Web.

### Accommodations

Accommodations will be available in the hotels of various grades. Detail will be up on the Web.

### Access

#### Tower Hall Funabori

4-1-1, Funabori, Edogawa-ku, Tokyo 134-0091

This hall is located in front of Funabori Toei Subway Station of "Toei Shinjuku Line". From Shinjuku it takes about 40 minutes by Toei Shinjuku Line. (Access map will be up on the Web.)

### Secretariat

#### For Scientific Program

Noriaki Nakashima, Yuji Wada / Research Center for Explosion Safety, AIST  
E-mail: [isem2005@m.aist.go.jp](mailto:isem2005@m.aist.go.jp)

#### For Registration

##### Abstract Submission etc.

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## International Advisory Committee

Chair: Prof. Masamitsu Tamura/The University of Tokyo  
Prof. Charles H. Ke/U.S.Department of Transportation, USA  
Prof.Chun Xu Lu/Nanjing University of Science and Technology, China  
Dr.Haridwar Singh/High Energy Material Research Laboratory, India  
Dr.Charles Westbrook/Lawrence Livermore National Laboratory, USA  
Prof.En Sup Yoon/Seoul National University, Korea

## Organizing Committee

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Vice-chair: Prof. Mitsuo Koshi/The University of Tokyo  
Secretariat: Dr. Kuniaki Yoneda/Japan Explosives Society  
Mr. Toshihiko Fujisawa/Asahi Kasei Chemicals Corp.  
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Mr. Kunihiro Tanaka/Nippon Koki Co., Ltd.  
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Mr. Naoji Yoshizawa/Chugoku Kayaku Co., Ltd.

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Prof. Akiko Matsuo/Keio University  
Prof. Toshiyuki Nagaishi/Kyushu Sangyo University  
Prof. Kunihiro Nagayama/Kyushu University  
Mr. Jun Nakamura/National Research Institute of Police Science

## Scope

The objectives of the 2nd International Symposium on Energetic Materials and their Applications (ISEM2005) include both in terms of fundamental research and industrial applications relevant to energetic materials. It aims to obtain an overview of most recent international research efforts and to provide opportunities for scientists and engineers to establish avenues for cooperation and collaboration.

## Topics

### 1) Energetic Materials

New Energetic Compounds  
Industrial Explosives  
Blasting Agents  
Propellants  
Synthesis  
Analysis and Characterization  
Sensitivity  
Disposal and Recycling  
Performance  
Theoretical Modeling  
Gas Generants

### 2) Pyrotechnics

Initiators and Detonators  
Safety Devices  
Fireworks  
Airbag Inflators and  
Gas Generators

### 3) Combustion and Detonation

Detonation and Deflagration  
SDT, DDT, XDT  
Non-Ideal Behavior  
Computations

### 4) Blasting

Rock Fragmentations  
Computer Modeling and Design  
Channel Effects  
Blast Vibration and Sound  
Air Blast

### 5) Shock Compression

Equations of State  
Phase Transition  
Shock Processing  
(Hardening, Synthesis,  
Forming, etc.)  
Numerical Modeling

### 6) Hazard, Safety, Security and Risk Managements

Hazard Assessment  
Safety and Security Evaluation  
Analysis of Accidental Events  
Blast Waves

### 7) Regulations

### 8) Miscellaneous

## Invited Speakers

- Prof. Charles H. Ke/U.S.Department of Transportation, USA
- Prof. Chun Xu Lu  
/Nanjing University of Science and Technology, China
- Dr. Haridwar Singh/High Energy Material Research Laboratory, India
- Dr. Charles Westbrook  
/Lawrence Livermore National Laboratory, USA
- Prof. En Sup Yoon/Seoul National University, Korea

## Call for Abstracts

Abstracts for Oral Presentation or Poster Presentation will be accepted until 7 January, 2005.

Please send an electric copy (in MS Word format or PDF) of your abstract less than one page long, attached with the graphic files of figures and tables, if any, to the Office of ISEM2005.

Please specify, in your abstract, your preference of topic category (from the topic list) and whether you would prefer an Oral Presentation or a Poster Presentation.

Notification of acceptance will be announced by 31 January, 2005.

## Proceedings

Symposium Proceedings will be published in a special issue of *Science and Technology of Energetic Materials*. Presentation of the paper at this Symposium is required for inclusion in the proceedings. Instructions for writing papers will be up on the web soon.  
Manuscript Due will be 27 May, 2005

## Language

The official language is English.