XVI INTERNATIONAL WORKSHOP HEMs-2021

High Energy and Special Materials: Demilitarization, Antiterrorism and Civil Application Tokyo, Japan, 16 November, 2021





























ORGANIZING COMMITTEE

Keiichi Hori (Japan), Alexander Vorozhtsov (Russia)

INTERNATIONAL COMMITTEE

Keiichi Hori (Japan), Boris Pevchenko (Russia), Guy Jacob (France), Alexander Vorozhtsov (Russia), Colin Pulham (UK), Elena Buylova (Russia), Raphaël Terreux (France), Vadim Zhdanov (Russia), Adam Cumming (UK), Gennady Sakovich (Russia), Sergei Sysolyatin (Russia), Vladimir Gruznov (Russia), Luigi DeLuca (Italy), Luciano Galfetti (Italy), Uwe Schaller (Germany), Denis Spitzer (France), Bernie Kosowski (USA), Edward Dreizin (USA), Sebastian Knapp (Germany), Andreas Koleczko (Germany)

SUBJECT AND PURPOSES OF HEMs-2021

XVI International Workshop HEMs-2021 is held for the purpose of strengthening collaboration of scientists from different countries and manufacturers working on the development of new articles based on high energy and special materials and chemical substances, and their applications. In addition, development and applications of other materials with relevant chemical structures and compositions are considered.

The Workshop covers fundamental and applied problems of antiterrorism-related and civilian applications of HEMs, and pertinent metallic and pharmaceutical substances. It will establish the present state of the art and development perspectives in the following directions:

- 1. Development of HEMs, their features, diagnostics and combustion;
- 2. Demilitarization/Utilization/Environmental safety of energetic systems;
- 3. Rocket motors for space systems, gas generators;
- 4. Dual-purpose chemical substances and medico-biologic materials;
- 5. Nanoscience and nanotechnologies (including medicine and pharmaceutics and special metallurgy);
- 6. Scientific provision of solutions to antiterrorism problems;
- 7. Miscellaneous.

PRFI IMINARY PROCRAM

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| 15.11.21-19.11.21 | Monday-Friday | ISEM 2021 |
| 16.11.21 | Tuesday | HEMs-2021 |

PARTICIPATION FEE AND ACCOMODATION

http://www.jes.or.jp/isem/2021/index.html

SCHEDULE AND DEADLINES

ISEM 2021 will take place as a hybrid Workshop.

The technical sessions will be held both **face-to-face in Tokyo** and **online**.

Technical sessions of the **HEMs-2021** will be held on Tuesday: 5-6 invited lectures of leading scientists from Japan, Russia, France, Germany and others as an additional session «HEMs Friendship Session» of ISEM2021 (7th International Symposium on Energetic Materials and their Applications).

These sessions will provide insight from international experts into cutting-edge developments in the field of HEMs.

Registration until 15 July, 2021 http://www.jes.or.jp/isem/2021/index.html

Abstract due 15 July, 2021 http://www.jes.or.jp/isem/2021/submissions/abstract.html

Notification of Acceptance 31 July, 2021

Early Registration due date until 31 August, 2021

CONTACT PERSONS

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