

ICMR 2013 AKITA CALL FOR PAPERS

The conference has inherited an initial concept from the first 1991 conference expressing that “the beneficial integration of separate ideas in various and traditional engineering fields into a new concept could provide sustainable development for human society”.

In the forthcoming seventh 2013 conference, following topics will be highlighted in eight sessions including the special program for resource development technology: (1) Strategy of Environment, Resource, and Energy for Sustainable Development (2) Development of New Recycling System for Rare Metals and Rare Earth Metals (3) Construction Materials for Sustainable Development (4) Advanced Materials for Sensors and Information Storage (5) Computer Engineering and Materials Engineering for Resources (6) Biological Effect on Metals including Rare Metals and Rare Earth Metals (7) Processing and Characterization of Functional Materials (8) Earth Science and Resource Development Technology (*Special Sessions of Akita University Leading Program “New Frontier Leader Program for Rare-metals and Resources”*)

Topics in the 7th conference listed above are indicative. Authors are, therefore, allowed to submit papers on other topics when to relate to the main concept of the conference. Accepted communications will be presented in poster form. The proceedings shall be prepared. After discussion at the conference, revised papers can be submitted as the originals for a special issue of International Journal of The Society of Materials Engineering for Resources.

Invited Lecturers

- ◆ Michele Rosano (Curtin University; AUSTRALIA) Industrial Symbiosis Benefits for Materials Engineering and Resources.
- ◆ Akira Otsuki (Curtin University; AUSTRALIA) Characterisation and Beneficiation of Complex Ores for Sustainable Utilisation of Mineral Resources.
- ◆ Timotius Pasang (Auckland University of Technology; NEW ZEALAND) Research on Various Welding Methods on Titanium Alloys for Aircraft Applications: Collaboration between Akita University and AUT.
- ◆ Zhan Chen (Auckland University of Technology; NEW ZEALAND) Friction Stir Lap Welding of Light Alloys.
- ◆ Leon Abelmann (University of Twente; NETHERLANDS) Magnetic 3D Self-Assembly.
- ◆ Fulin Wei (Lanzhou University; CHINA) Investigation on Magnetic Properties of FeCoAlON Films with Stripe Domain Structure.
- ◆ Nikola Kasabov (Auckland University of Technology; NEW ZEALAND) Evolving Spiking Neural Networks for Spatio- and Spectro-Temporal Data.
- ◆ Antonio Rubio (The Polytechnic University of Catalonia; SPAIN) Carbon Nano Tubes Technology: Implications in Computer Memory Systems.
- ◆ Yaopeng Zhang (Donghua University; CHINA) Artificial Silk Materials with Enhanced Mechanical Properties and Controllable Structures.
- ◆ Jerry L. Atwood (University of Missouri; USA) Nanocapsules based on Calixarene, Resorcinarene, and Pyrogallolarenes.
- ◆ Alexander S. Kamzin (Ioffe Physical-Technical Institute of the Russian Academy of Science; RUSSIA) Mossbauer Study of FeM (where M=Pt or Co) Thin Films.
- ◆ Robert M. Corn (University of California, Irvine; USA) Nanorings, Nanocubes and Nanochannels for the Directed Self-Assembly and Detection of Nucleic Acids and Proteins.
- ◆ Yuji Doya (Matsubara Construction Co., Ltd; JAPAN) Self-Dumping Pontoon System Utilizing the Versatile Unit Construct Flotation System: A Research for Economical Way of Soils-transportation &-dumping System.