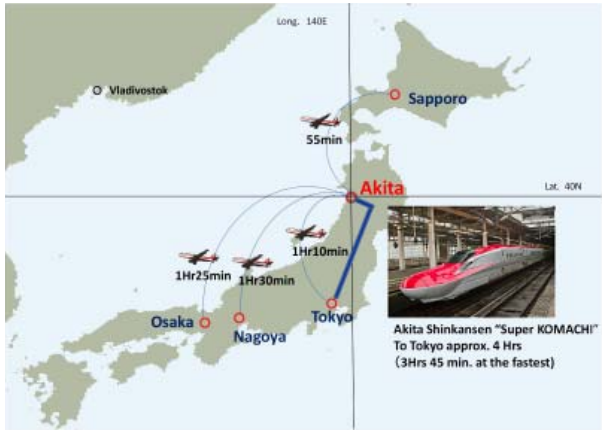
TIME SCHEDULE OF ICMR 2017

Oct. 25 Wed.	8:30	Registration	
	9:30	Main Room	Opening Ceremony
	9:45		
		Main Room	Plenary Session (3 topics)
	11:45		
		Lunch Break	
	12:45	Main Room	Plenary Session (3 topics)
	14:45		
		Coffee Break	
	14:45	Room A Keynote Session (5 topics)	14:45 Room B Keynote Session (5 topics)
	17:00		17:00
	17:15	Attractions – KANTO– (beside the hotel)	
	17:50		
	18:00	Conference Party	
	20:00		
Oct. 26 Thu.	8:30	Registration	
	9:30	Room A Keynote Session (3 topics)	9:30 Room B Keynote Session (3 topics)
	10:45		11:00
		Coffee Break	
	10:55	Room A Keynote Session (4 topics)	11:10 Room B Keynote Session (3 topics)
	12:35		12:40
		Lunch Break	
	13:40	Room A Keynote Session (3 topics)	13:40 Room B Keynote Session (3 topics)
	14:55		14:55
		Coffee Break	
	15:05	Room A Keynote Session (4 topics)	15:05 Room B Keynote Session (4 topics)
Oct. 27 Fri.	10:00	Poster Session	10:00 Poster Session
	12:00		12:00
		Lunch Break	
	13:00	Poster Session	13:00 Poster Session
	15:00		15:00
	15:10	Main Room	Closing Ceremony
	15:30		

Access



Nine domestic flights from Haneda are bound for Akita every day. Five flights by All Nippon Airways, four by Japan Air Lines, each takes about an hour to Akita. Airports in Osaka, Nagoya, and Sapporo are also connected to Akita Airport by several flights per day. Ground travel is also enjoyable by taking a four-hour bullet train "Super Komachi" from Tokyo Station.

Inquiries should be addressed to

ICMR 2017 AKITA
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The Second Circular with Call for Papers

The Eighth International Conference on Materials Engineering for Resources

ICMR 2017 AKITA

October 25 Wed.–27 Fri., 2017
Akita View Hotel, Akita City, Japan

Organized by :
The Society of Materials Engineering for Resources of JAPAN
and
Graduate School of Engineering Science, Akita University
and
Graduate School of International Resource Sciences, Akita University
and
Akita University Leading Program, Graduate School of International Resource Sciences
and
Akita University International Center for Research and Education on Mineral and Energy Resources
and
Akita University

ICMR 2017 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 eighth 2017 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)Strategy of Life Science for Sustainable Development(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 8th 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

- Le Anh Tuan（Vietnam National University -Ho Chi Minh City-University of Technology; VIETNAM）The Application of Fly Ash from Thermal Power Plant on Geopolymer Materials.
- Thomas A. BIER（TU Bergakademie Freiberg: GERMANY）Use of functionalized building materials for sustainable construction and repair -Overview and examples for various applications.
- Pratyay Basak（CSIR-Indian Institute of Chemical Technology; INDIA）Fused Pyrrole Core: A New Class of Quadrupolar Organic Moieties as Potential Resistive Memory Elements.
- Jong-Ching Wu（National Changhua University of Education; TAIWAN）Nanofabrication and Application of Magnetic Tunnel Junctions.
- Antonio Rubio（Universitat Politècnica de Catalunya; SPAIN）New paradigm over the eDRAM configuration for new nanometric electronics era.
- Hyung Joon Cha（POSTECH University; KOREA）Mussel glue proteins for innovative biomedical applications.
- Yu-Chen Hu（National Tsing-Hua University; TAIWAN）CRISPR technology for cell manipulation and production.
- Robert M. Corn（University of California-Irvine; USA）Single Nanoparticle SPR Imaging Biosensing.
- Jin-Min Lin（Tsinghua University; CHINA）Controlled Assembly of Heterotypic Cells in a Core-Shell Scaffold: Organ in a Droplet.
- Zhan Chen（Auckland University of Technology; NEW ZEALAND）Solidification of CoCrMo alloy during selective laser melting.
- Timotius Pasang（Auckland University of Technology; NEW ZEALAND）Welding of Titanium: comparison between CP Ti, alpha/beta alloy and beta alloy.
- Sivaperuman Kalainathan（VIT University; INDIA）Growth and Characterization of Scintillator Organic Single Crystal for Fast Neutron Detection.
- Brigitte Voit（Leibniz Institute of Polymer Research Dresden（IPF）and TU Dresden; GERMANY）Highly aromatic polymer architectures designed for optoelectronic applications.
- Sang Youl Kim（Korea Advanced Institute of Science and Technology (KAIST); KOREA）Soluble Polyimides and Polyamides Containing Trifluoromethyl Groups.
- Wenli Pei（Northeastern University; CHINA）Controllable magentic nanomaterials synthesized by chemical method.
- Kozo Onoue（Kumamoto University; JAPAN）Properties of environmental load-reducing construction material utilizing steel slags.
- Keisuke Takahashi（UBE INDUSTRIES, LTD.; JAPAN）Application of Cement-based Sealing Materials for Prevention and Remediation of Environmental Impact of Mining Development of Submarine Deposits.
- Hiroyuki Nishide（Waseda university; JAPAN）Redox Polymers for Energy Devices.
- Masa-aki Kakimoto（Tokyo Institute of Technology; JAPAN）New Materials for Cell Sheet Recovery using Hyperbranched Polymers.
- Masaya Mitsuishi（Tohoku University; JAPAN）Cyclosiloxane Materials for Bottom-up Assemblies.
- An-Pang Tsai（Tohoku University; JAPAN）A paradigm shift in solid structure ~Quasicrystal~ .
- Noritaka Saito（Kyushu University; JAPAN）Evaluation of Oxide Melt Crystallization Characterized by Capacitance Measurement.

Special Sessions of Akita University Leading Program “New Frontier Leader Program for Rare-metals and Resources” and Topic：Earth Science and Resource Development Technology

- Brajendra Mishra（Worcester Polytechnic Institute; USA）Recovery and Recycling of Valuable Metals from Fine Industrial Waste Materials.
- Corby Anderson（Colorado School of Mines; USA）The Key Aspects of Critical Metals.
- Himawan Tri Bayu Murti Petrus ST（Gadjah Mada University; INDONESIA）Sumbawa Gold Ore Liberation Study; Ensuring the Success of Borax Method through Liberation Modelling.
- Bambang Retnoaji, M.Sc（Gadjah Mada University; INDONESIA）Implementation Morphometric and Histological study on Fish At Lebo Lake for initial Screening of Mercury Contamination in Small Scale Artisanal Gold Mining at Sumbawa Barat, Indonesia.
- William X. Chavez, Jr.（New Mexico Institute of Mining and Technology; USA）Supergene Processes and Weathering-Related Mobility of Metals.
- Murat Karakus（The University of Adelaide; AUSTRALIA）Advances in Numerical Methods for Rock Burst Modelling.
- Mikiya Tanaka（National Institute of Advanced Industrial Science and Technology; JAPAN）Application of Solvent Extraction to the Recycling Process of Electroless Nickel Plating Baths.

MODE OF PRESENTATION

The technical program consists of three kinds of session:

- Plenary（invited）lectures ; 40 min-lecture including 5 min discussion.
- Keynote（invited）lectures ; 25 min-lecture including 5 min discussion.
- Poster sessions with short speech ; 3 min-lecture each and poster-site discussion.

The official language will be English

AWARD

Two outstanding contributions will be awarded by ICMR2017 awarding committee.

- International Award of Material Engineering for Resources
- Excellent Paper Award of Poster Sessions

TIME TABLE

Poster session applicant

- February 28, 2017 : Due date for submission of title and abstract
- March 31, 2017 : Notification of acceptance for Presentation
- April 30, 2017 : Full paper submission for review
- July 31, 2017 : Final manuscript due for the Proceedings Volume

Invited Lecturer

- July 31, 2017 : Final manuscript due for the Proceedings Volume

See “preparation of the Camera-Ready Manuscript of ICMR 2017” that can be taken from Web site: http://www.gipc.akita-u.ac.jp/~smerj/

Manuscript for Proceedings Volume should be sent to:

Prof. Mitsutoshi Jikei
Chairperson of Programming Committee ICMR 2017, c/o Akita University, Akita 010-8502 JAPAN
E-mail:icmr@gipc.akita-u.ac.jp

REGISTRATION FEE

Regular Fee : ￥40,000（incl. Proceedings Volume and Banquet Fee）
Student Fee : ￥10,000（incl. Proceedings Volume）
Payment must be completed in Japanese Yen(￥) by Bank Transfer by 30 August, 2017

- *Bank transfer : all cost at transmitter's charge*
- *Bank Name : Akita Bank, Tegata Branch*
- *Account Name : ICMR2017, Account Number : 730991*
- *Bank Address : Tegata-Yamazaki-Cho, Akita, 010-0854 Japan*

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