

TIME SCHEDULE OF ICMR 2005

Oct. 20	8:00	Registration	
Thu.			
	9:00	Opening Ceremony	
	9:30	Plenary Session [1]	
	11:50	Lunch Break	
	13:00	Plenary Session [2]	
	15:20	Coffee Break	
	15:30	New Materials for Life Science, Special Session (A1, A2)	15:30 Construction Materials for Sustainable Development, Special session (B1, B2)
	18:20	Coffee Break	
	18:30	Conference Ceremony	
Oct. 21	8:00	Registration	
Fri.			
	9:00	New Recycling Systems, Special Session (A3, A4)	9:00 Advanced Materials for Sensors and Information Storage, Special Session (B3, B4)
	12:00	Lunch Break	
	13:00	Environmental Science and Technology, Special Session (A5, A6)	13:00 Processing and Characterization of Functional Materials, Special Session (B5, B6)
	15:30	Coffee Break	
	15:45	Computer Engineering and Materials Engineering for Resources, Special Session (A7, A8)	15:45 Topics, Special Session (B7, B8)
Oct. 22			
Sat.			
	9:00	Poster Session AP1	9:00 Poster Session BP1
	12:00	Lunch Break	
	13:00	Poster Session AP 2	13:00 Poster Session BP 2
	16:10	Closing Ceremony	

SHORT INFORMATION OF AKITA

Akita is located in the north-eastern part of the mainland of Japan (around 40° north latitude and 140° east longitude), is known as the nice resorts facing the Japan Sea on the west and hot springs in the mountain area on the eastern border. Each distinct season offers own scenic charm, especially "golden autumn" in October. Temperature is around 13°C (average, 18°C (daytime), 8°C (nighttime)) in the late October with mild and fair weather.

It takes one-hour flight from Haneda (Tokyo International Airport) with 8 flights a day (All Nippon Airways 4 flights, Japan Airline 4 flights). Flight service is also available from Sapporo. International flight service is available from Seoul, Korea (Korean Air. 3 flights a week). You can also enjoy a 4-hour bullet train trip from Tokyo (Akita Shinkansen).

TRAVEL AGENT

JTB Corp (JTB) has been appointed as the official travel agency. Travel/Hotel inquiries should be addressed to:

ICMR2005 Desk, JTB Corp(JTB) Akita Office,
3-2-5 Omachi Akita, 010-0921 Japan
Facsimile: +81-18-865-5189
E-mail: akita01@thk.jtb.co.jp



Inquiries should be addressed to

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The Second Circular with Call for Papers

The Fifth International Conference on Materials Engineering for Resources

ICMR 2005 AKITA

October 20 Thu. - 22 Sat., 2005
Akita View Hotel, Akita City, Japan



Organized by :

The Society of Materials Engineering for Resources of Japan
Faculty of Engineering and Resource Science, Akita University
And
Akita Prefecture

ICMR 2005 AKITA CALL FOR PAPERS

The conference receives the main idea of the first 1991 conference: Beneficial integration of separate ideas in the various and traditional engineering fields into a new concept, which could provide a promising view in 21st century. In the fifth conference, the following topics are included in the special eight sessions: (1) New Materials for Life Science (2) Construction Materials for Sustainable Development (3) New Recycling Systems (4) Advanced Materials for Sensors and Information Storage (5) Environmental Science and Technology (6) Processing and Characterization of Functional Materials (7) Computer Engineering and Materials Engineering for Resources (8) Topics

Topics listed above are indicative. Authors are allowed to submit papers also on the other topics related to the main purpose of the conference. Accepted communications will be presented in poster form. The proceeding should be prepared. After discussion at the conference, received papers can be submitted as an original paper in a special issue of International Journal of the Society of Materials Engineering for Resources.

Invited Plenary Lectures:

- Sung-Kee Chung (Pohang University of Science and Technology; KOREA) *Construction of Sphingolipid Libraries and their Utilities.*
Antonio Rubio (Technical University of Catalonia; SPAIN) *Reliability Aspects on Complex Computing Networks.*
Seppo Matala (Kymenlaakso Polytechnic; FINLAND) *Service Life Design of Concrete Structures in the Finnish Concrete Code.*
Reiner Kirchheim (Universität Göttingen; GERMANY) *Chemical Composition of Advanced Materials as Obtained by the 3-dimensional Atom Probe.*
Robert M. Corn (University of California; U.S.A.) *SPR Imaging Measurements of DNA, Peptide and Protein Microarrays.*
Kwan-Young Lee (Korea University; KOREA) *Utilization of Low Temperature Plasma for Chemical Reaction and Preparation of Functional Materials.*
Tomokazu Matsue (Tohoku University; JAPAN) *Fabrication and Characterization of Biomaterial-Based Micro- and Nanostructures.*
Akira Tonomura (Hitachi, Ltd; JAPAN) *Quantum Phenomena Observed Using Electron Waves.*
Akira Harada (Osaka University; JAPAN) *Cyclodextrin-based Supramolecular Polymers.*
Satoshi Matsumoto (Akita Prefectural University; JAPAN) *Development of Water Treatment System Using Only Natural Materials.*

Invited Keynote Lecturers

- Parik-Kyun Shin (INHA University; KOREA) *Plasma Polymerization of Organic Thin Films and Their Application to Humidity Sensors.*
Yuanxiang Zhou (Tsinghua University; CHINA) *Progress in Study of Solid Dielectric Breakdown Based on Space Charge Phenomena.*
Lech Czarnecki (Warsaw University of Technology; POLAND) *Concrete Polymer Composites: Status and Trends.*
Zhan Chen (Auckland University of Technology; NEW ZEALAND) *Study on Plastic Flow during Friction Stir Welding.*
Monem Kallel (Sfax University; TUNISIA) *Environmental State of Sfax City-Tunisia-; Case Study: Hydrocarbon Pollution of the City Coastline.*
Zuo Yu (Beijing University of Chemical Technology; CHINA) *The Relationship between Current Fluctuations and Corrosion Damages at the Early Stage of Pitting on Mild Steel and Commercial Pure Iron.*

Danqing Yi (Central South University; CHINA) *Research of Microstructure, Mechanical Properties and Deformation Behavior on ZK60 Magnesium Alloy.*

Gi-Rong Liu (National University of Singapore; SINGAPORE) *Meshfree Adaptive Methods for Stress Analysis in Materials and Structures.*

K. L. Ha (Pukyong National University; KOREA) *Material Characterization Using Impulsive Ultrasound.*

Wonyong Choi (Pohang University of Science and Technology; KOREA) *TiO₂ as an Environmental Photocatalyst: Properties and Applications.*

Jong Hoon Hahn (Pohang University of Science and Technology; KOREA)

Continuous-Flow PCR Amplification/Analysis System.

C. H. Kim (Chungnam National University; KOREA) *Preparation of Water-based Magnetic Fluids for Biomedical Applications.*

Liu Yong-Kui (Dalian Nationalities University; CHINA) *Fundamental Algorithms of Computer Graphics and the Needs for New Display Materials.*

Takahisa Okamoto (Taiheiyō Cement Corporation; JAPAN) *Challenges for Improving Durability of Concrete.*

Masami Shoya (Hachinohe Institute of Technology; JAPAN) *Frost Damage of Concrete Structures in Tohoku District in Japan.*

Masayuki Shirai (National Institute of Advanced Industrial Science and Technology; JAPAN) *Environmentally Benign Hydrogenation System Using Supported Metal Catalysts and Supercritical Carbon Dioxide Solvent.*

Toshio Narita (Hokkaido University; JAPAN) *Development of Re-based Diffusion Barrier Coatings on Nickel-based Superalloy.*

Nobuhiko Iki (Tohoku University; JAPAN) *Thiacalixarene -A Versatile Functional Material for Separation and Sensing.*

Toru Ozeki (Hyogo University of Teacher Education; JAPAN) *Monitoring of Pollutants in Atmospheric Environment of Japan through Chemical Analysis of Precipitation Samples and their Statistical Evaluation.*

Ikuo Kojima (Akita Prefectural University; JAPAN) *Involvement of rpoZ, Encoding RNA Polymerase Omega Subunit, in Biosynthesis of Kasugamycin, an Antibiotic against Rice Blast Disease.*

Yoshitaka Kumagai (Akita International University; JAPAN) *Linking Sociology, the Environment and Sustainability.*

Tetsushi Iwashita (Yabashi Industries Co. Ltd; JAPAN)

Japan Lime Industry in the World.

Mitsumasa Iwamoto (Tokyo Institute of Technology; JAPAN)

Nano-interface Surface Dielectric Polarization Phenomena: Detection and Application

Haruyoshi Aoki (Tohoku University; Japan) *Superconductivity, Metamagnetism and Non-Fermi Liquid: the Kaleidoscope of Quantum Critical Point - a Topic of Condensed Matter Physics.*

Ji-Whan Ahn (Korea Institute of Geoscience and Mineral Resources; KOREA)

MODE OF PRESENTATION

The technical program consists of three kinds of sessions:

Plenary; 35 min-lecture including 5 min discussion.

Keynote; 20 min-lecture including 5 min discussion.

Oral and panel; 3 min-lecture each and poster-site discussion.

Official language is English.

AWARD

A couple of outstanding contributions should be awarded by ICMR awarding committee.

TIME TABLE

July 30, 2005: Final manuscript due for the proceedings
See "Preparation of the Camera-Ready Manuscript of ICMR 2005" that can be taken from Web site: <http://smerj.ie.akita-u.ac.jp/icmr.htm>
Manuscript for proceeding should be sent to:
Prof. Nobuaki Ogawa
Chairperson of Programming Committee, ICMR 2005, c/o Faculty of Engineering and Resource Science, Akita University, Akita 010-8502 JAPAN
E-Mail: icmr2005@ie.akita-u.ac.jp

REGISTRATION FEE

Regular Fee: ¥30,000 (include Proceedings)

Conference Party Fee: ¥10,000

Student Fee: ¥10,000 (include Proceedings)

Payment must be completed in Japanese Yen (¥) by Bank

Transfer by 31 August, 2005

Bank Transfer: all costs at transmitter's charge

Bank Name: Akita Bank, Tegata Branch

Account Number: 697331

Bank Address: 110-3 Tegata-Yamazaki-Cho, Akita, 010-0854 Japan

ORGANIZING COMMITTEE

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