

In conjunction with



Thailand-Japan Polymer Initiative

December 15, 2014: Swissotel Le Concorde, Bangkok, Thailand

www.mtec.or.th/MSAT-8/TJPolymer

Time	Topic
08:00 – 09:00	Registration
09:00 – 09:15	Opening Ceremony
09:15 – 10:00	Plenary lecture 1: "10 Technology Trends in Materials Science and Engineering, including their Application" Prof. Dr.-Ing. Thomas Böllinghaus (BAM) President of the World Materials Research Institute Forum (WMRIF)
10:00 – 10:30	Coffee break
10:30 – 10:55	"Nanomatrix Structure and Viscoelastic Properties of Natural Rubber" Dr. Seiichi Kawahara Nagaoka University of Technology
10:55 – 11:20	"Functionalized Magnetic Polymeric Nanoparticles for Bioanalytical Applications" Prof. Pramuan Tangboriboonrat Mahidol University
11:20 – 11:45	"Bromination of Natural Rubber by Anodic Oxidation in Water Process in the Presence of Carbon Dioxide" Dr. Yoshimasa Yamamoto Tokyo National College of Technology
11:45 – 12:10	"Development of Nano-chitosan for Biomedical Applications via Water-based Reaction System" Prof. Suwabun Chirachanchai Chulalongkorn University
12:10 – 13:30	Lunch
13:30 – 13:55	"Controlled Polymerization of Terpene as Renewable Vinyl Monomer for Novel Bio-based Polymers" by Dr. Kotaro Satoh and Dr. Masami Kamigaito Nagoya University
13:55 – 14:20	"Synthesis of Cyclic Polyesters: The Catalyst Design" by Dr. Khamphée Phomphrai Mahidol University
14:20 – 14:45	"Synthesis and Properties of Aliphatic Polycarbonates from Epoxides and CO ₂ " by Dr. Koji Nakano Tokyo University of Agriculture and Technology
14:45 – 15:00	Coffee Break
15:00 – 15:25	"Polymer Nanostructures observed by Electron Microscopy" by Dr. Hiroshi Jinnai Kyushu University
15:25 – 15:50	"Starch-based Rheology Modifiers in Structuring Health Foods" by Dr. Asira Fuongfuchat National Metal and Materials Technology Center
15:50 – 16:15	"Effect of Mechanical Instability at Polymer Surface on Cell Adhesion" by Dr. Keiji Tanaka Kyushu University
16:15 – 16:40	"Polymers for New Generation Solar Cells" by Dr. Jatuphorn Wootthikanokkharn King Mongkut's University of Technology Thonburi
16:40 – 17:05	"Biobased Furan Polymers with Self-healing Ability and Shape Memory" by Dr. Naoko Yoshie Tokyo University
17:05 – 17:30	"To be Announced" by Dr. Winita Punyodom Chiangmai University
17:30 – 17:55	"Enzymatic Synthesis and Functionalization of Multiphase Cellulose Materials" by Dr. Takeshi Serizawa Tokyo Institute of Technology
17:55 – 18:20	"Waste to Value - Production of Pectin from Pomelo Peel" by Dr. Pawadee Methacanon National Metal and Materials Technology Center
18:30 – 20:30	Banquet

Tribology Technical Session

December 15, 2014
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www.mtec.or.th/TTA_1



1st Thai Tribology Association Annual Conference and Exhibition

At MSAT-8, TTA will have an annual conference and exhibition providing information and activities of TTA. TTA will also receive a great honor from Prof. Kuniaki Dohda, President of IRGTM to introduce future activities between TTA and IRGTM. In addition, the keynote lecture on "Active Control of Boundary Lubrication" will be presented by Prof. Meng Yonggang (Tsinghua University, China).

(Draft) Schedule

09:00 – 09:15	Opening Ceremony
09:15 – 10:00	Plenary Lecture on "10 Technology Trends in Materials Science and Engineering including their Application" by Prof. Dr.-Ing. Thomas Böllinghaus, German
10:00 – 10:30	Refreshment
10:30 – 10:35	Opening Speech by Assoc. Prof. Siriluck Nivitchanyong (TTA President)
10:35 – 10:40	Introduction of TTA International Academic Advisory Board by Prof. Kuniaki Dohda (TTA Chair of International Academic Advisory Board)
10:40 – 11:20	Keynote Lecture on "Active Control of Boundary Lubrication" by Prof. Meng Yonggang, China
11:20 – 12:00	Technical Session 1 on "TTA and its role in mobilizing Thai industry" by Dr. Numpon Mahayotsanun (TTA Vice President)
12:00 – 13:00	Lunch
13:00 – 13:30	Networking with TTA members and New Members Recruitment
13:30 – 14:30	Technical Session 2 on "Tribology R&D Activities in Thailand" by Assoc. Prof. Varunee Premanond (KMUTT)
14:30 – 15:00	Refreshment
15:00 – 16:00	Forum (in English): "Tribology Technology in Thai Manufacturing Industry" Chair by Asst. Prof. Numpon Mahayotsanun
16:00 – 17:00	1. A representative from a Die Fabrication Company (Tentative: Fuji Die) 2. A representative from a Lubricant Company (Tentative: PTT) 3. A representative from a Surface Treatment and Coating Company (Thai Parkerizing) 4. A representative from an Automotive Company (Honda R&D) TTA Annual Meeting (Invited Only)

Registration Fee & Payment:

Early bird rate: 1,200 THB / seat
Normal rate (after Nov. 7, 2014): 1,500 THB / seat

MSAT