**09:00-10:20: Biomass and Green Applied Chemistry (BGC)**

**Chairs:** Takashi Machimura (Osaka Univ.), Japan
Motoyuki Sugano (Nihon Univ.), Japan

**BGC-1** “Sustainability analysis for regional wood biomass cycle in the Ise bay basin, Japan”
Makoto Ooba, Tsuyoshi Fujita, Motoyuki Mizuochi (National Institute for Environmental Studies), Hirokazu Kato, Takuya Togawa and Masato Miyata (Nagoya Univ.), Japan

**BGC-2** “The possibility of Wolffia arrhiza as a resource for ethanol production”
Yuichiro Takai, Daisuke Mishima, Masanori Kuniki, Kazunari Sei, Satoshi Soda and Michihiko Ike (Osaka Univ.), Japan

**BGC-3** “Extraction of valuable compound and production of biofuels from hydrothermally reacted rice bran and wheat bran”
Motoyuki Sugano, Minoru Yuze, Tsuzumi Enomoto, Erika Kaneko, Miyako Namiki (Nihon Univ.), Akihiro Komatsu (Glass Resourcing, Inc.), Yusuke Kakuta and Katsumi Hirano (Nihon Univ.), Japan

**BGC-4** “Optimizing plant allocation for bioethanol production from agro-residues considering CO₂ emission efficiency and energy demand-supply balance: A case study in Ecuador”
Juan Carlos García M., Takashi Machimura and Takanori Matsui (Osaka Univ.), Japan


**Chairs:** Hideo Nakajima (Osaka Univ.), Japan
Toshio Haga (Osaka Institute of Technology), Japan

**LMP-1 Invited Lecture:** “Possibilities to manage both strength and ductility in bulk nanostructured steels”
Nobuhiro Tsuji (Kyoto Univ.), Japan

**LMP-2 Invited Lecture:** “Nanocrystalline Mg-Zn-Y-Al alloys with long period stacking ordered structure”
Yoshinobu Kawasaki (Kumamoto Univ.), Japan

**LMP-3 Invited Lecture:** “Dynamic compression behavior of lotus-type porous metals”
M. Tane, Y. H. Song and H. Nakajima (Osaka Univ.), Japan

**LMP-4 Invited Lecture:** “Pore size control of lotus-type porous metals during solidification”
Soong-Keun Hyun (Inha Univ.), Korea

**13:00-14:40: Eco-Nonferrous Metals and Light Metals (ENM)**

**Chairs:** Katsuyoshi Kondoh (Osaka Univ.), Japan
Masakazu Tane (Osaka Univ.), Japan

**ENM-1 Invited Lecture:** “Development of creep resistance magnesium alloys in the BJUT”
Wenbo Du, Xudong Wang, Zhaohui Wang, Ke Liu and Shubo Li (Beijing Univ. of Technology), China

**ENM-2 Invited Lecture:** “Strengthening of rare earth metal free Mg-Al-Ca-Mn alloy by utilization of dynamic structural changes during hot extrusion”
S. Kamado, S. W. Xu, K. Oh-ishi, T. Homma (Nagaoka Univ. of Technology), K. Hono (National Institute for Materials Science), Japan

**ENM-3 Strip casting of the recycled aluminum alloys”**
Toshio Haga (Osaka Institute of Technology), Shinji Kumai (Tokyo Institute of Technology) and Hisaki Watari (Gunma Univ.), Japan

**ENM-4 Microstructure and texture of AZ61 and AZX611 magnesium alloy sheets rolled by high speed warm rolling”**
T. Sakai, R. Koizumi, Y. Watanabe and H. Utsunomiya (Osaka Univ.), Japan

**ENM-5 “Mixture rule of flow stress curves of Mg-Zn-Y alloys with long period stacking ordered phase in forging”**
R. Matsumoto (Osaka Univ.), M. Otsu (Univ. of Fukui), M. Yamasaki, T. Mayama (Kumamoto Univ.), H. Utsunomiya (Osaka Univ.) and Y. Kawamura (Kumamoto Univ.), Japan