

ALMA Forum 2014

Program

Date: 14 November, 2014

Venue: Koyamadai-Kaikan, Tokyo, Japan

9:30 *Opening Address*

Dr. Takayuki Tsuchida (Nippon Light Metal Company, Ltd., Chair of International Communication Committee of Japan Institute of Light Metals, Japan)

Greetings by the Chair of ALMA

Prof. Shinji Kumai (Tokyo Institute of Technology, Vice President of Japan Institute of Light Metals, Japan)

Session 1

Chairperson: Prof. Takashi Kuboki (The University of Electro-Communications, Japan)

9:40 *Titanium Research in Australia*

Dr. Kathie McGregor (The Commonwealth Scientific and Industrial Research Organisation, Australia)

10:10 *Development of Titanium Alloys for Load Bearing Implant Devices through Focusing on Young's Modulus Control*

Prof. Mitsuo Niinomi (Institute for Materials Research, Tohoku University, Japan)

10:40 Coffee Break (10:40 – 11:00)

Session 2

Chairperson: Prof. Yuri Estrin (Monash University, Australia)

11:00 *Current R&D Activities on Magnesium Alloys in Korea*

Prof. Kwang Seon Shin (Seoul National University, Korea)

11:30 *Light Metals Research in Australia with foci on magnesium alloys and additive manufacturing*

Prof. Mark Easton (School of Aerospace, Mechanical and Manufacturing Engineering, RMIT University, Australia)

12:00 Lunch (12:00 --- 14:00)

Session 3

Chairperson: Prof. An-Chou Yeh (National Tsing Hua University, Taiwan)

14:00 *Mechanical Properties and Strengthening Behavior of Mg-Zn-MM Alloy*

Prof. Jian-Yih Wang (Department of Materials Science and Engineering, National Dong-Hwa University, Taiwan)

14:30 *High Strength Magnesium Alloys Strengthened by a Novel LPSO Structure Phase*

Prof. Yoshihito Kawamura (Magnesium Research Center, Kumamoto University, Japan)

15:00 Coffee Break (15:00 – 15:30)

Session 4

Chairperson: Prof. Kwang Seon Shin (Seoul National University, Korea)

15:30 *Environmentally friendly conversion treatments of magnesium alloys -- taking examples of corrosion protection and scrap recycling*

Prof. Jun-Yen Uan (Department of Materials Science and Engineering, National Chung Hsing University, Taiwan)

16:00 *Current light weighting technology of aluminum for automotive body structures*

Dr. Tadashi Aiura (Chief Engineer, Technical Control Dep. Kobe Steel Ltd.)

Closing Ceremony

Chairperson: Prof. Masahiro Kubota (Nihon University, Japan)

16:35 *Group Photo*

16:45 *Closing Remarks*

Dr. Tadashi Aiura (Kobe Steel Ltd., Vice Chair of the International Communication Committee of Japan Institute of Light Metals, Japan)