

International workshop on Mineral processing and Metallurgy 2018



IMM2018

March 2-3, 2018 / Katahira Sakura Hall



Organizer: Institute of Multidisciplinary Research for Advanced Materials, Tohoku University

Program

Friday 2nd March, 2018

Opening Session - Chair: Hiroyuki Fukuyama (IMRAM, Tohoku University)

13:30-13:45 *Opening address: Atsushi Muramatsu* (Director of IMRAM, Tohoku University)

13:45-14:15 *Introduction of a New Research Center -Center for Mineral processing and Metallurgy- Itaru Honma* (IMRAM, Tohoku University)

Session 1 - Chair: Itaru Honma (IMRAM, Tohoku University)

14:15-14:45 *Why Soft Processing (=Low-Energy Production) of Advanced Materials is Difficult but Necessary for Sustainable Society?*

Masahiro Yoshimura (National Cheng Kung University)

14:45-15:15 *Industry-academia Collaboration in the Field of Non-ferrous Metals Resource Recovery Engineering*

Toru H. Okabe (The University of Tokyo)

15:15-15:45 Coffee Break

Session 2 - Chair: Etsuro Shibata (IMRAM, Tohoku University)

15:45-16:15 *New activities in Kyoto University aimed at vitalizing non-ferrous extractive metallurgy*

Yuki Taninouchi (Kyoto University)

16:15-16:45 *Recovery of Germanium from Waste Optical Fiber*

Wei-Sheng Chen (National Cheng Kung University)

Session 3 - Chair: Nobuaki Sato (IMRAM, Tohoku University)

16:45-17:15 *The Status of Front- and Back-end Fuel Cycle Development in Korea*

Kwangheon Park (Kyung Hee University)

17:30-18:30 Poster Session & photo

18:30-20:00 Get Together Party

Saturday 3rd March, 2018

Session 4 - Chair: Shin-ya Kitamura (IMRAM, Tohoku University)

9:00-9:30 *Base Metal Production Process as Hub of Materials Flow*

Tetsuya Nagasaka (Tohoku University)

9:30-10:00 *Initiatives in European Union towards Carbon Lean Steel Production*

Johannes Schenk (Montanuniversitaet Leoben)

10:00-10:30 *New Recycling System for Minimizing Steelmaking Slag*

Yasuo Kishimoto (JFE steel)

10:30-11:00 Coffee Break

Session 5 - Chair: Takahisa Omata (IMRAM, Tohoku University)

11:00-11:30 *Investigation for Characteristics of BOF Slag after Mineral Carbonation*

Ming-Shang Ko (Taipei University of Technology)

11:30-12:00 *Advanced Mineral Processing Technologies towards a Sustainability of Metal Resources*

Atsushi Shibayama (Akita University)

12:00-12:30 *Mineral Processing: Coarse Gangue Rejection and Flotation of Fines*

George V. Franks (Melbourne University)

12:30 *Closing remarks: Hiroyuki Fukuyama* (IMRAM, Tohoku University)

REGISTER HERE: <http://www2.tagen.tohoku.ac.jp/general/event/2018/IMM2018/>

Registration Deadline: Friday 16 February, 2018,

Registration fee: JPY 1,000., **Get Together Party (Friday, 2nd March) fee:** JPY 4,000

*Please pay the total fee by cash at the reception desk on Friday 2nd March, 2018.

Contact: imm2018_secretary@grp.tohoku.ac.jp

Co-sponsorship:

- The Research Program of "Dynamic Alliance for Open Innovation Bridging Human, Environment and Materials" in "Network Joint Research Center for Materials and Devices"
- Tohoku branch of The Japan Institute of Metals and Materials
- Tohoku branch of The Iron and Steel Institute of Japan
- Tohoku Branch of The Mining and Materials Processing Institute of Japan
- Tohoku branch of The Society of Chemical Engineers, Japan