

東北大学 多元物質科学研究所
第3回資源変換・再生研究センター 国際シンポジウム
3rd International Symposium on "Sustainable Materials Engineering"
2008年10月3日 於: ホテルモントレ仙台

共催・協賛(予定を含む): (財)素材工学研究会, (財)青葉工学振興会, 粉体工学会,
日本鉄鋼協会(東北支部), 日本金属学会(東北支部), 資源・素材学会(東北支部)

- 9:00 **Opening Remarks**
Vise Director, Prof. H. Kawamura, IMRAM,
Tohoku University
- 9:10 **Briefing on the Research Center**
Head of Center, Prof. E. Kasai, IMRAM,
Tohoku University
- 9:25 **Keynote: Ferrous Process Metallurgy
and Environment**
Prof. H. W. Gudenau, RWTH Aachen,
Germany
- Advanced Steel Processing**
- 9:55 **Keynote: Steel Research and
Development for Sustainable Society**
Dr. T. Matsumiya, Fellow, Nippon Steel
Corporation
- 10:25 **Coffee Break**
- 10:45 **Reactor Design for Carbon Dioxide
Sequestration Using Steelmaking Slag**
Prof. D. G. C. Robertson, Missouri
University of Science and Technology,
USA
- 11:10 **Composition Change of the Non-
metallic Inclusions during the
Secondary Refining of Ultra Low
Oxygen Alloying Steels**
Prof. X. WANG, University of Science and
Technology Beijing, China
- 11:35 **Nucleation Site of Solid Steel from
Molten Steel**
Prof. H. Shibata, IMRAM, Tohoku
University
- 11:55 **Lunch**
- Material Recycle &
Reduction of Greenhouse Gas Emissions**
- 13:20 **Keynote: Opportunities for Reducing
Energy Consumption and Greenhouse
Gas Emissions in Metal Production**
Dr. S. Jahanshahi, Division of Minerals,
CSIRO, Australia
- 13:50 **Metal Recovery from Secondary
Resources**
Prof. K. Sugawara, Akita University
- 14:15 **Recovery of Nuclear Materials from
Oxide Fuel by Sulfide Process**
Prof. N. Sato, IMRAM, Tohoku University
- 14:35 **Development of EAF Dust Recycling
and Melting Technology Using the Coal-
Based Fastmelt® Process**
Mr. H. Fujimoto, Iron Unit Division,
Technology Center, Kobe Steel, Ltd.
- 15:00 **Biomass Utilization in Iron-making
Process for Reducing CO₂ Emission**
Dr. S. Ueda, IMRAM, Tohoku University
- 15:20 **An Effective Way to Use Plastic Waste
for Ironmaking**
Dr. T. Murakami, IMRAM, Tohoku
University
- 15:40 **Coffee Break**
- Waste Treatment & Chemical Pollutants**
- 16:00 **Bromination of Heavy Metal Oxide with
Thermal Decomposition of Brominated
Flame Retardant**
Prof. E. Shibata, IMRAM, Tohoku
University
- 16:20 **Emissions of Toxic Substances from
Thermal Degradation of Hazardous
Wastes in Poland**
Prof. A. J. Grochowalski, Krakow
University of Technology, Poland
- 16:45 **Chlorine Chemistry in Coal Conversion
and Steel Making Processes**
Dr. N. Tsubouchi, IMRAM, Tohoku
University
- 17:05 **Closing Remarks**

参加費: シンポジウム 2,000円、交流会 6,000円
参加申込み・問合せ: 東北大多元研葛西研究室
村上 太一

Tel: 022-217-5155, Fax: 022-217-5211,
e-mail: taichi@tagen.tohoku.ac.jp