

***International Workshop
on
Thermoelectric Research
&
Thermal Management Technology***

Guest Speaker

Antoine Maignan (CRISMAT)

Yuri Grin (Max Planck Institute)

David Cahill (Univ. of Illinois)

James Salvador (GM, USA)

Salvatore Grasso (U. London)

Kevin Simpson (EU Thermodynamics Ltd.)

Lassi Karvonen (EMPA)

13:00 ~ 17:00

June 28, 2013

Auditorium

WPI-MANA Bldg

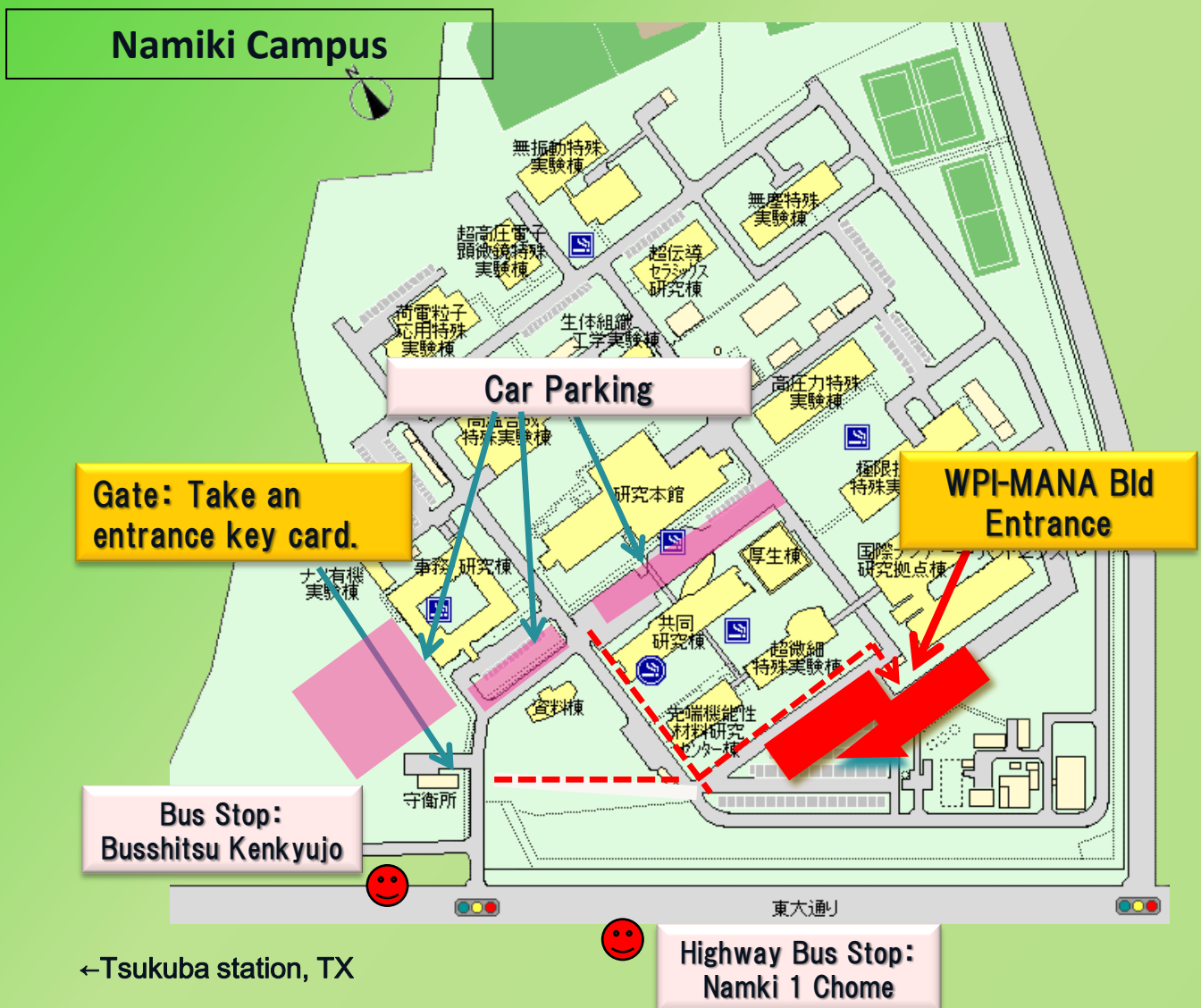
NIMS

Program

- 13:00 Opening Remarks *Masakazu Aono (Director General, MANA)*
- 13:10-13:35 *Antoine Maignan (Director, CRISMAT, France)*
Towards New Performing Thermoelectric Materials: Oxides and Sulfides at CRISMAT
- 13:35-14:00 *James Salvador (Senior Researcher, GM, USA)*
Atoms to Autos: A Brief Overview of GM's Program on Thermoelectric Based Waste Heat Recovery
- 14:00-14:15 *Salvatore Grasso (Researcher, U. London, UK)*
Ultra Low Thermal Conductivity of Disordered Layered P-type Bismuth Telluride
- 14:15-14:25 *Kevin Simpson (Technical Director, European Thermodynamics Ltd., UK)*
Thermoelectric Activities in Waste Heat Conversion at European Thermodynamics
- 14:25-14:45 *Lassi Karvonen (Researcher, EMPA, Switzerland)*
High-Temperature Thermoelectric Properties of Perovskite-Type Cobalt Oxides
- 14:45-15:15 Break, Group photo
- 15:15-15:40 *Yuri Grin (Director, Max Planck Institute for Chemical Physics of Solids, Germany)*
Influence of Structural Complexity of Intermetallic Compounds on their Properties
- 15:40-16:05 *David Cahill (Department Head, Univ. Illinois, USA)*
Testing the Physics of Heat Conduction Using High Pressure: Crystals, Glasses, and Interfaces
- 16:05-16:30 *Junichi Sone (Executive Vice President, NIMS)*
TIA NanoGreen -Open Innovation Initiative-
- 16:30-16:45 *Takao Mori (Group Leader, MANA, NIMS)*
Thermoelectrics and Thermal Management Technology Development at TIA Thermal Lab.
- 16:45-17:00 *Kenji Hirose (Senior Researcher, TIA NIMS/NEC)*
Thermal Transport Calculations of Nanometer-Scale Materials
- 17:00-17:15 *Naoyuki Kawamoto (Researcher, MANA, NIMS)*
Nanothermometer Assembled by Advanced Probing Techniques in TEM
- 17:15 - Closing Remarks *Yoshio Bando (Chief Operating Officer, MANA)*

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**Venue: WPI-MANA Bld. Auditorium
Namiki, NIMS, Tsukuba**



**Workshop secretariat: TRTMT@ml.nims.go.jp
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