

The 5th Michael Nobel Sustainable Technology Symposium

Regional Smart City Projects in India and Japan

— An International Technology Exchange Between India and Japan —

- Organizer:** Technology Forum for the Future Asia (TeFFA)*¹
- Co-organizer:** Ohya Laboratory, Graduate School of Global Information and Telecommunication Studies, Waseda University
- Supporter:** The Institute of Image Electronics Engineers of Japan
Architectural Institute of Japan
- Collaborator:** The Nobel Sustainability Trust (NST)
The Solar Energy Society of India (SESI)
The Future Innovation of Engineering Group (FIE)
The Society for Prolongation of Healthy Life Expectancy (SPHLE)
The Michael Nobel Laboratory, Osaka City University (OCARINA)*²
Southern TOHOKU Research Institute for Neuroscience
The Japan Association of Regional Development and Vitalization
SIG (Special Interest Group) on Architectural Industry Mondiale Experts by Image Technology (AIM)

- 13:30-13:40 Opening address
Yoshimitsu Nagao and Liu Jiang, Faculty of Science and Engineering, Waseda University
- 13:40-13:45 Profile of Dr. Michael Nobel
Kyoji Kunitomo, Vice-chairperson, Technology Forum for the Future Asia
- 13:45-14:10 Keynote speech “Alternative Energy: A Global Perspective and the Role of Government, Scientists and Industry in Japan”
Michael Nobel, Executive chairman, the Nobel Sustainability Trust;
Distinguished professor, OCARINA, Osaka City University
- 14:10-14:40 “Grand Design of National Spatial Development of Japan toward 2050”
Itsushi Tachi, Vice-chairperson, The Japan Association of Regional Development and Vitalization; Deputy Director-General, Ministry of Land, Infrastructure, Transport and Tourism
- 14:40-15:00 “Smartization of Chandigarh City, Haryana – Regional Smart City in India”
Rajinder Kumar Kaura, Vice-chairperson, The Solar Energy Society of India
- 15:00-15:15 Coffee break
- 15:15-15:45 “Bio-technology and its Application to the Smart Farm”,
Ichiro Okura, Professor, Research Center for Artificial Photosynthesis (ReCAP),
Osaka City University
Hitohide Usami, Professor, Research Institute, Tamagawa University
- 15:45-16:05 “How to Keep Sustainability in Case of Disaster; Protection against Inland Earthquake
—Vibration Damping of Shell and Spatial Structure”
Kiyoshi Shingu, Professor Emeritus, Nihon University; Adviser, General Institute for Qualification
- 16:05-16:25 “Ken-inn (House for health-maintenance medicine): L-Cub and Sleep Sensor”
Hiroyuki Hashimoto, President, NJI Corporation

- 16:25-16:45 “Application of Image Processing Technology to Medical Engineering
– Research on Image Processing for Robot Nurse”
Yie Lee, Graduate School of Global Information and Telecommunication Studies,
Waseda University
- 16:45-17:05 “Smart City and Image Processing Technology
– Challenges of IT and Image Processing Technology for Smart City Creation”
Yoshinori Hatori, Institute Professor, Innovator and Inventor Development Platform,
Tokyo Institute of Technology
- 17:05-17:25 “Energy in Smart City”
Naoto Hirakata, Manager, Smart Business Headquarters, NTT Facilities, Inc.
- 17:25-17:40 Summary
Michael Nobel, Itsushi Tachi and Rajinder Kumar Kaura