

Nanoparticles meet nano scaled hybrid polymer (ORMOCER[®])

Synergy of AIST-AMRI and Fraunhofer ISC: materials and technology for printed electronics, photonics, sensors and display technology

March 16th, 2015

Venue: AIST Tokyo Waterfront ANNEX, Tokyo, Japan

Chairman: Dr. L. Granrath, Supervisory Innovation Coordinator, AIST

Organizer: AIST, AIST Advanced Manufacturing Research Institute, Fraunhofer Institute for Silicate Research ISC

Language: English **Registration:** nsh2015-ml@aist.go.jp **Reception:** Yen 2.000

Program

13:00 Opening

Dr. Lorenz Granrath (Supervisory Innovation Coordinator, AIST)

Mr. Hideya Miki (Representative, Fraunhofer Representative Office Japan)

13:15 Tailored Liquid and Nanocrystals as Key Materials for Integration into Functional Devices: Current Collaboration for Future Developments

Dr. Kazumi Kato (Prime Senior Research Scientist, AIST Advanced Manufacturing Research Institute)

13:45 The Fraunhofer ISC – Next Generation Materials for Sustainable Products

Dr. Michael Popall (Head of Fraunhofer Institute for Silicate Research ISC International)

14:05 Dielectric Properties of BaTiO₃ Nanocube Ordered Assemblies

Dr. Ken-ichi Mimura (AIST Advanced Manufacturing Research Institute)

14:35 Inorganic-Organic Hybrids (ORMOCER[®]s): The Next Generation of Dielectric and Optical Matrix Materials

Dr. Michael Popall (Head of Fraunhofer ISC International)

15:05 Coffee Break

15:25 Development of Tin Oxide Nanosheets and Their Sensor Properties

Dr. Yoshitake Masuda (AIST Advanced Manufacturing Research Institute)

15:55 Applications of Inorganics, Polymers and Hybrids (ORMOCER[®]s) and their Composites in Printed Electronics, Photonics and Display Technology

Gerhard Domann (Head of Competence Team Optics and Electronics, Fraunhofer ISC)

16:40 Synthesis and Application of Highly Dispersible Core-Shell Ceria/Polymer Hybrid Nanoparticles

Dr. Toshio Itoh (AIST Advanced Manufacturing Research Institute)

17:10 A Novel Method of Ceramic Joining by Means of A Precursor Polymer Coating

Dr. Ken-ichiro Kita (AIST Advanced Manufacturing Research Institute)

17:40 End

17:45 Reception, Tokyo Waterfront 11F foyer

Registration Form

AIST AMRI / Fraunhofer ISC Workshop

“Nanoparticles meet nano scaled hybrid polymer (ORMOCER®)”

Fax: 03-3599-8577

Mail: nsh2015-ml@aist.go.jp

Tel: 03-3599-8979

Name: Dr./Mr./Ms. _____

Company: _____

Job title: _____

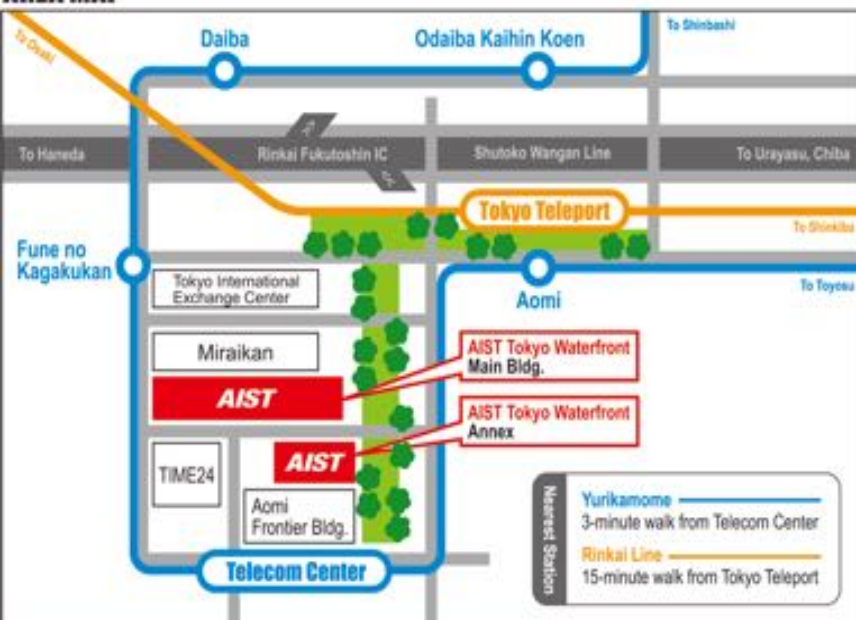
Phone: _____

Mail: _____

Please check, if you like to attend the reception:

- I will attend the reception (17:45 – 19:15), participation fee 2,000 Yen will be collected at the reception desk**

AREA MAP



By TRAIN

- Take Yurikamome line, get off at Telecom Centre station, then 3-minute walk.
- Take Rinkai Line and get off at Tokyo Teleport station, then 15-minute walk.

From Haneda Airport

Take Tokyo Monorail and get off at Tennozu Isle station. Then transfer to Rinkai Line bound for Shinkiba, and get off at Tokyo Teleport station.