NOVEMBER 5

08.30–09.30 PARTICIPANTS REGISTRATION, WELCOME COFFEE

09.30–11.30 PLENARY SESSION
• New developments and the future of single wall carbon nanotubes. TUBALL™ SWCNTs
  Dr. Morinobu Endo, Distinguished Professor, Institute of Carbon Science and Technology, Shinshu University
• The digital transition of the automotive industry and the important role of SWCNTs
  Ivica Kolaric, Head of Department, Fraunhofer IPA
• Exploring advanced nano-enhanced materials for future vehicles
  Rob Thompson, Chief of Materials, ARRIVAL
• Manipulating space-grade epoxy resin’s electrical conductivity using TUBALL™
  Faris Ustamujic, Senior Engineer, Airbus Defence and Space
• SWCNTs as a filler for conductive epoxy resin used for aerospace component repairs
  Melina Remers, Material Design Engineering, Lufthansa Technik Intercoat
• Are nanotube networks the key to high-performance batteries?
  Jonathan Coleman, Professor of Chemical Physics, Trinity College Dublin
• Building platforms on top of materials innovation
  Maxim Predtechenskiy, Head of Digital Department, UJET

11.30–12.00 PANEL DISCUSSION
  Nanomaterials in the future of transportation
  Moderator: Ivica Kolaric, Head of Department, Fraunhofer IPA

12.00–13.00 EXHIBITION: CARS 4.0 & NANOAUGMENTED PRODUCTS
  LUNCH, NETWORKING

13.00–14.30 PLENARY SESSION
• A better future for fossil hydrocarbons and carbon nanomaterials
  Matteo Pasquali, Professor of Chemical Engineering and Chemistry, Rice University
• HS&E regulatory status of TUBALL™
  Gunther Van Kerckhove, Health & Safety Lead Manager, OCSiAl
• Inhalation studies for the safety of nanomaterials – aerosol generation, study design and use in safety assessment and grouping
  Lan Ma-Hock, Inhalation Toxicology, BASF
• The present and the future outlook of the SWCNT market
  Kouji Endo, Senior Researcher, Yano Research Institute
• From renewables to healthcare: realizing the potential of nanocomposites at scale
  Adam Nevin, Innovation Lead, Trelleborg Applied Technologies

14.30–15.00 PANEL DISCUSSION
  Diversity of SWCNT applications: challenges and prospects
  Moderator: Matteo Pasquali, Professor of Chemical Engineering and Chemistry, Rice University

15.00–15.30 COFFEE BREAK, NETWORKING

15.30–16.30 PLENARY SESSION
• Cylinders with nanotechnology
  Piotr Saferna, R&D Leader, Techplast
• Single wall carbon nanotube-filled biodegradable polymer composites
  Ari Rosling, R&D Director, Arctic Biomaterials
• High-performance thermoplastics filled with SWCNTs
  Marco Burth, Product Development Manager, Lehmann & Voss
• How to get to the Future
  Yury Koropachinskiy, President and Co-founder, OCSiAl

16.30 TUBALL AWARDS CEREMONY

Around 17.00 OPEN-AIR EVENT IN JAPANESE GARDEN
NOVEMBER 6
09.00–09.30 WELCOME COFFEE
Exhibition is available all day

09.30–11.30 INDUSTRY SESSION
Batteries
- Lithium-ion battery market trends in 2019
  Tanaka Yoshiaki, Senior Researcher, Yano Research Institute
- Batteries e-nabled by SWCNTs: present and future
  Andrey Senyut, CEO, OCSiAl Energy
- SWCNTs for the energy and electronics market
  Daisuke Shimizu, R&D Manager, Kusumoto Chemicals
- SWCNT inclusion into battery materials
  Scott Donne, Professor of Chemistry, University of Newcastle
- High energy density material system in lithium-ion batteries
  Cen Wang, Vice President, Director of R&D Center, Amprius (Nanjing)
- Dispersion technology for nanocarbon materials for batteries
  Yasuteru Saito, General Manager, DKS
- Introduction to the “Tire battery project” and the use of SWCNTs in this project
  Sadayoshi Yamasaki, CEO, Renaisis
- High-performance cathode binder with TUBALL™
  Chihiro Shinoda, Chemicals Division, PD Battery Materials, DAiKIN Industries

11.30–12.00 COFFEE BREAK, NETWORKING

12.00–13.00 INDUSTRY SESSION
Polymers
- Graphene nanotubes for elastomers: balancing of consistent conductivity with high mechanical performance
  Ekaterina Gorbunova, Vice President, Elastomers, OCSiAl
- Carbon nanotube-based flexible temperature and tactile force sensors
  Kuniharu Takei, Professor, Osaka Prefecture University
- Research on nanocarbon polymer actuators: fundamentals and applications
  Takushi Sugino, Group Leader, National Institute of Advanced Industrial Science and Technology (AIST)
- Graphene nanotubes in tires: going beyond existing performance trade-offs
  Jean-Nicolas Helt, Development and Support Leader for Elastomers, OCSiAl

13.00–14.00 LUNCH, NETWORKING

14.00–15.45 INDUSTRY SESSION
Polymers
- TUBALL™ for thermosets: new area of development and results from 2019
  Vladimir Kravchenko, Development and Support Leader, OCSiAl
- Introduction to Atomix and a newly developed polyurethane-concrete coating with SWCNTs
  Daisuke Suzuki, Manager, Atomix
- Transparent conductive films and transparent heating films using SWCNTs
  Ryo Asano, Chief Developer, Dynic Corporation
- Ultra-clean bags with SWCNT technology
  Albert Kow, CEO, TAKO Astatic Technology
- Anti-static polypropylene yarns in bags for transporting bulk explosives
  Olga Moskalyuk, CEO, Textile and technique
- Fabrication of conductive polymer nanocomposites with cellulose nanofiber-stabilized SWCNT networks
  Junpei Maeda, Polymer Engineer, Chemicals Evaluation and Research Institute, Japan (CERI)
- Improvement of CBZ resin’s mechanical properties with TUBALL™ nanotubes for CFRP
  Okado Hiroki, R&D Manager, Japan U-Pica Company
- Top 3 TUBALL™ nanotube applications in coatings in 2019
  Zakhar Bolshakov, Vice President, Polymers, OCSiAl

15.45–16.15 COFFEE BREAK, NETWORKING

16.15–17.30 • SWCNTs in the roll covers industry
  Michail Nedanov, Project Engineer, SchäferRolls
• High-performance fluoroelastomers with TUBALL™
  Junpei Terada, Chemicals Division, Marketing Manager, DAiKIN Industries
• High-durability transparent conductive coatings with CNTs
  Shingo Shinozohara, Sales Manager, Nagase Chemtex
• TUBALL™ for electric vehicles
  Mikhail Predtechenskiy, Head of R&D and Co-founder, OCSiAl

KUSUMOTO CHEMICALS SPEECH
INDUSTRY AWARDS

Around 18.00 GALA DINNER

Meeting rooms are available all day. Advance reservation is required.