

NOVEMBER 5	08.30–09.30	PARTICIPANTS REGISTRATION, WELCOME COFFEE
	09.30–11.30	<p>PLENARY SESSION</p> <ul style="list-style-type: none"> • 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	<p>PANEL DISCUSSION</p> <p>Nanomaterials in the future of transportation</p> <p>Moderator: Ivica Kolaric, Head of Department, Fraunhofer IPA</p>
	12.00–13.00	<p>EXHIBITION: CARS 4.0 & NANOAugmented PRODUCTS</p> <p>LUNCH, NETWORKING</p>
	13.00–14.30	<p>PLENARY SESSION</p> <ul style="list-style-type: none"> • 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	<p>PANEL DISCUSSION</p> <p>Diversity of SWCNT applications: challenges and prospects</p> <p>Moderator: Matteo Pasquali, Professor of Chemical Engineering and Chemistry, Rice University</p>
	15.00–15.30	COFFEE BREAK, NETWORKING
	15.30–16.30	<p>PLENARY SESSION</p> <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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, OCSiAI 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 <ul style="list-style-type: none"> • Graphene nanotubes for elastomers: balancing of consistent conductivity with high mechanical performance Ekaterina Gorbunova, Vice President, Elastomers, OCSiAI • 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, OCSiAI
	13.00–14.00	LUNCH, NETWORKING
	14.00–15.45	INDUSTRY SESSION Polymers <ul style="list-style-type: none"> • TUBALL™ for thermosets: new area of development and results from 2019 Vladimir Kravchenko, Development and Support Leader, OCSiAI • 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, OCSiAI
	15.45–16.15	COFFEE BREAK, NETWORKING
	16.15–17.30	<ul style="list-style-type: none"> • 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 Shinohara, Sales Manager, Nagase ChemteX • TUBALL™ for electric vehicles Mikhail Predtechenskiy, Head of R&D and Co-founder, OCSiAI
		KUSUMOTO CHEMICALS SPEECH INDUSTRY AWARDS
	Around 18.00	GALA DINNER
NOVEMBER 7		Meeting rooms are available all day. Advance reservation is required.