



EURO NANO FORUM 2023

11-13 June 2023, Lund, Sweden

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Scientific Program

Monday 12th June

	Room:	Room:	Room:	Room:
08.45-09.10	Welcome talks Erik Renström , Vice-Chancellor of Lund University Stefan Bengtsson , President at Chalmers University of Technology Darja Isaksson , Director General of Vinnova			
09.10-10.15	High level panel debate: "Materials for a sustainable future" Moderator: Heiner Linke , Deputy dean (prorektor) at Faculty of Engineering, LTH and Professor of Solid State Physics Panelists Joanna Drake , Deputy Director-General of the DG for Research and Innovation Sara Mazur , Director Strategic Research, Knut and Alice Wallenberg Foundation Tom Erixon , President and CEO of Alfa Laval Heike Riel , IBM Fellow, Department Head Science & Technology, IBM Research Europe			
10.15-10.45	Coffee break - in the poster and exhibition area			
Parallel Sessions				
10.45-12.45	Green Energy - materials for harvesting	Graphene and 2D materials	Safe and Sustainable by Design	
	Chair: Peter Dröll (European commission, DG RTD) Speakers Eicke Weber , Professor of Physics and Vice President of ISES and co-Chair of the European Solar Manufacturing Council ESMC Jonas Groten , Joanneum Research Austria. Talk title: Energy harvesting materials for autonomous sensor systems in remote area applications	Chair: Jari Kinaret , Chalmers Speakers Mamoun Taher , Graphmatech Inge Asselberghs , IMEC, Belgium Stijn Goossens , Qurv, ES Antonio Agresti , Univ. Rome Tor Vergata, IT	Chair: Sofie Norager , European Commission Speakers Irantzu Garmendia Aguirre , JRC Lya Hernandez , Senior Scientific Advisor and Risk Assessor at RIVM, the Dutch National Institute for Public Health and the Environment Alexander Pogány , Austrian Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology EMIRI (Marcel Meus/Philippe Jacques) Stefan Spirk (Ecolyte), Andreas Falk (BNN), both SusChem Austria	
12.45-13.45	Lunch - in the poster and exhibition area			
13.45-14.25	Plenary Speakers Linnea Selegård , SAAB Peter Dröll , EC, DG RTD			

Monday 12th June

	Room:	Room:	Room:	Room:
Parallel Sessions				
14.30-16.00	Green Energy - Advanced materials for storage	Semiconductors and materials for future chips	AMI2030	
	<p><i>Chair:</i> Peter Dröll (European commission, DG RTD)</p> <p><i>Speakers</i> Sami Haikala, Chief Development Officer, Northvolt. <i>Talk title:</i> Pioneer European R&D Campus for development of the greenest battery on Earth.</p> <p>Patrice Simon, Professor in Material Science at Université Paul Sabatier, Toulouse, France</p> <p>Kristina Edström, Professor at Department of Chemistry - Ångström Laboratory, Structural Chemistry, Uppsala, Sweden</p>	<p><i>Chair:</i> Lars-Erik Wernersson, Lund University</p> <p><i>Speakers</i> Fredrik Tillman, Ericsson, Sweden</p> <p>Mikael Östling, KTH, Sweden</p> <p>Mika Prunnila, VTT, Finland</p>	<p><i>Organizers:</i> Christian Seitz, BASF and Philippe Jacques, EMIRI</p>	
16.00-17.00	Poster Session and Exhibition - Welcome to the poster and Exhibition area!			
Parallel Sessions				
17.00-18.00	Energy efficiency: materials for sustainable industries	Semiconductors and materials for future chips	Shaping advanced materials and their technologies to societal needs	
	<p><i>Speakers</i> Vanya Darakchieva, Professor at Solid State Physics, Lund Andrea Niklas, Azterlan, Spain</p>	<p><i>Contact person</i> Lars-Erik Wernersson, Lund University</p>	<p><i>Contact persons</i> Marco Falzetti, APRE & Eumat & NCP4Industry Amaya Igartua, Tekniker & Eumat</p> <p>Winfried Keiper, Keiper Consulting & Eumat</p> <p>Andrea Porcari, Airi-Italian Association for Industrial Research and SocketS project</p>	

Tuesday 13th June

	Room:	Room:	Room:	Room:
09.00-10.15	Plenary talks <i>Speakers</i> Landon Mertz , CEO Cerion Nanomaterials, USA Marina Zanchi , Director HaDEA, Belgium Jari Kinaret , Chalmers, Sweden			
10.15-10.45	Coffee break - in the poster and exhibition area			
Parallel Sessions				
10.45-12.45	Quantum technologies — Europe's major role	Advanced Materials & Manufacturing	European Infrastructures – From fundamental science to industrial applications	The Human Brain Project as an enabler for neuro-derived technologies
	<i>Chair:</i> TBC <i>Talk</i> Klaus Mølmer , Niels Bohr Institute at the University of Copenhagen: A historic perspective on quantum technology in Europe Talks and panel debate on Quantum life science Lene Oddershede, Novo Nordisk Foundation Ann-Marie Wennberg , Sahlgrenska Johannes Swartling , Deep Light Vision <i>Moderator:</i> Ebba Carbonnier , SweLife <i>Talks</i> Samuel Lara Avila : 2D-Tech, potential of quantum materials Alexia Auffèves , CNRS MajuLab Singapore: Quantum energy footprint	<i>Chair:</i> Peter Dröll (European commission, DG RTD) <i>Speakers</i> Marco Sebastiani (Universita Degli Studi Roma Tre, Rome, Italy); <i>Talk title:</i> Advanced characterisation in the Digital era; vision, opportunities and challenges Gerhard Goldbeck (Goldbeck Consulting Limited, Cambridge, United Kingdom); <i>Talk title:</i> Presentation of European Materials Modelling Council (EMMC) and Roadmapping activities – links to Materials 2030 Roadmap and AMI2030 WG1 on Digitalisation <i>Panel debate with panelists</i> Ennio Capria (European Synchrotron Radiation Facility), Nikolaj Zangenberg (Denmark Teknologisk Institut, Taastrup, Denmark), Gerhard Goldbeck (Goldbeck Consulting Limited, Cambridge, United Kingdom), Elias Koumoulos (Innovation in Research & Engineering Solutions, Brussels, Belgium), Marco Sebastiani (Universita Degli Studi Roma Tre, Rome, Italy) <i>Open Discussion with audience (15 min)</i>	<i>Chair:</i> Giorgo Rossi , University of Milan, Italy <i>Panelists</i> Jörg Hubner , DTU, Denmark Pieter Telleman , Utwente, Netherlands Anna Hultin Stigenberg , MaxIV, Sweden From inventions to innovations <i>Chair:</i> Maryam Olsson , RISE, Sweden <i>Panelists</i> Tomas Sikola , CEITEC Center, Central European Institute of Technology, Brno, Czech Republic Erasmia Dupenloup , CEO Minalogic, Grenoble Robert S Chau , Senior Fellow at Intel Europe	<i>Organizer:</i> The Human Brain project
12.45-13.45	Lunch - in the poster and exhibition area			
Paralell Sessions				
13.45-16.15	EU Quantum technology	Advanced Materials & Manufacturing	European Infrastructures – Technology infrastructures	TBC
	<i>Speakers</i> Tommaso Calarco , FZ Juelich (Quantum flagship), Germany Maria Cerda Sevilla , The European Quantum Industry Consortium (QuIC) Sabrina Maniscalco , university of Helsinki, (Algorithmiq) Per Delsing , Chalmers, Gothenburg (WACQT) Göran Wendin , Chalmers, Gothenburg (EuroHPC, perspectives)	<i>Chair:</i> Anders Mikkelsen , Lund University, Sweden <i>Speakers</i> Steffi Friedrich , Director acumenist, Brussels, Belgium Susanne Norgren , Sandvik Erik Khranovskyy , CEO of the SME Grafren Serena Borgna from APRE for NCP4Industry	State-of-the-play: Good examples and comparisons <i>Chair:</i> Spela Stres , EIC Head of Center for Technology Transfer and Innovation, Jožef Stefan Institute, Slovenia <i>Panelists</i> Thomas Swahn , Director MyFab & Member of Nordic Fabs Brendan Brough , Director NNCO (National Nanotechnology Coordination Office) Christian May , Coordinator FF2S FhG-FEP	
16.45	Closing			