

FINAL PROGRAM (version 28.10.2016)

WEDNESDAY 2 NOVEMBER 2016

Invited presentation
Tier 1 presentation
Tier 2 presentation

TIME	ROOM FENNIA I	NORDIA	PRESS ROOM
09:00 – 10:05 AVAJAISISTUNTO OPENING SESSION (note: in Finnish)			
Chair of session: Tuomas Rantala			
09:00	<i>SYP2016 avaus Opening of NST2016</i> Vice-Chairman of the Board Tuomas Rantala Finnish Nuclear Society	x	x
09:05	<i>Valtiovallan tervehdys Greetings from the Government</i> Director General Riku Huttunen Ministry of Economic Affairs and Employment	x	x
09:20	<i>Fennovoiman Hanhikivi 1 –hanke Fennovoima's Hanhikivi 1 project</i> CEO Toni Hemminki Fennovoima Oy	x	x
09:35	<i>Fortumin näkemys tulevaisuuden energiantuotannosta Fortum's view of Future Energy Supply</i> Executive Vice President Tiina Tuomela Fortum Oyj	x	x
09:50	<i>Ajankohtaisia asioita Olkiluodosta Current Activities in Olkiluoto</i> CEO Jarmo Tanhua TVO Oyj	x	x
10:05	Session end		

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TIME	ROOM FENNIA I	NORDIA	PRESS ROOM
10:15 – 11:55 TECHNICAL SESSIONS			
	Session A Chair of session: Jaakko Leppänen	Session B Chair of session: Heikki Suikkanen	Press meeting Chair of session: Pasi Tuohimaa
10:15	<i>Utilization of VTT's Monte Carlo Code Serpent2 in Validation of Lattice Physics Methods at Westinghouse</i> Mr. Karol Luszczek Westinghouse Sweden AB	<i>Numerical Modelling of Direct Contact Condensation of Steam in BWR Pressure Suppression Pool System</i> Research Student Giteshkumar Patel Lappeenranta University of Technology	<i>Press meeting</i>
10:40	<i>Reactivity Control of a Soluble-Boron-Free AP1000 Equilibrium Cycle</i> Mr. Mohd-Syukri Yahya Korea Advanced Institute of Science and Techn.	<i>Full-Scale Testing of Noncondensable Gas Transport in Emergency Piping</i> Director Damian D. Stefanczyk Fauske & Associates, LLC	<i>Press meeting</i>
11:05	<i>Quiver - Transport, Interim Storage and Final Storage of Failed Fuel Rods</i> Mr. Holger Lapp Westinghouse Electric Sweden AB	<i>Acoustic Resonance in Main Steam Line Side Branches</i> Director Jens Conzen Fauske & Associates, LLC	x
11:30	<i>The Swedish Nuclear Transport System</i> Marine Transports Manager Anna Wikmark SKB AB	<i>Opportunities for Source Modelling to Support the Seismic Hazard Estimation for NPPs</i> Research Scientist Vilho Jussila VTT Oy	x
11:55	Session end		
12:00-13:00	Lunch (upper lobby)		

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TIME	ROOM FENNIA I	NORDIA	PRESS ROOM
13:10 – 14:50 TECHNICAL SESSIONS			
	Session C Chair of session: Martti Kätkä	Session D Chair of session: Ami Rastas	Session E Chair of session: Rainer Salomaa
13:10	<i>Simplified Transport Modelling of a Disposal System and Doses Using Probabilistic Methods</i> Design Engineer Pekka Kupiainen Fortum Power and Heat Oy	<i>Reliability Analysis of Digital I&C in Nuclear Power Plants</i> Dr. Jan-Erik Holmberg Risk Pilot Ab	<i>Thermochemical Modelling of Nuclear Fuel</i> Research Scientist Henri Loukusa VTT Oy
13:35	<i>Upscaling Laboratory Data towards In Situ Conditions</i> Ms. Eveliina Muuri University of Helsinki	<i>Fission Product Behaviour in the Containment</i> Ms. Anna Nieminen VTT Oy	<i>Triple-Coincidence Positron Lifetime Spectrometer for Nuclear Materials Research</i> Mr. Janne Heikinheimo Aalto University
14:00	<i>Managing of Intermediate-Level Waste in the Shadow of Spent Nuclear Fuel</i> Team Leader Tero Lytsy Platom Oy	<i>Ex-vessel Steam Explosion Analysis with MC3D</i> Mr. Magnus Strandberg VTT Oy	<i>Novel Instrumentation for Nuclear Safety, Security and Safeguards: the NINS3 Project</i> Scientist Pauli Peura Helsinki Institute of Physics
14:25	<i>The Final Decision – Ethical Views on Final Disposal in Finland and Sweden</i> Dr. Matti Kojo University of Tampere	<i>Radiocarbon Emissions Monitoring Based on Laser Spectroscopy</i> Mr. Guillaume Genoud VTT Oy	<i>Role of OECD Nuclear Energy Agency in the Safety Research</i> Mr. Olli Nevander OECD/NEA
14:50	Session end		
15:00-15:20 Coffee (upper lobby)			

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TIME	ROOM FENNIA I	NORDIA	PRESS ROOM
15:30 – 16:50 PLENARY SESSION			
Chair of session: Harriet Kallio			
15:30	<i>British Perspective on Small Modular Reactors</i> Senior Lecturer Eugene Shwageraus University of Cambridge	x	x
15:50	<i>Making Sense of Nuclear Safety: Insights from the 'Overall Safety Concept' Study</i> Professor Juhani Hyvärinen Lappeenranta University of Technology	x	x
16:10	<i>Science of Nuclear Materials: from Condensed Matter Physics to Engineering Challenges</i> Professor Filip Tuomisto Aalto University	x	x
16:30	<i>Fusion in the Footsteps of Fission - from Basic Research to Building Reactors</i> Senior Scientist Antti Hakola VTT Oy	x	x
16:50	Session end		

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THURSDAY 3 NOVEMBER 2016

TIME	ROOM FENNIA I	NORDIA	PRESS ROOM
09:00 – 10:00 PLENARY SESSION			
Chair of session: Liisa Heikinheimo			
09:00	<i>Olkiluoto 3 Commissioning</i> Project Director Jouni Silvennoinen TVO Oyj	X	X
09:15	<i>Hanhikivi 1 Project Status</i> Licensing Manager Janne Liuko Fennovoima Oy	X	X
09:30	<i>Fir 1 TRIGA Mark II Research Reactor Decommissioning</i> Research Team Leader Petri Kotiluoto VTT Oy	X	X
09:45	<i>Posiva Perspectives in Disposal of Spent Nuclear Fuel</i> Senior Vice President Tiina Jalonen Posiva Oy	X	X
10:00	Session end		

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10:15 – 11:55 TECHNICAL SESSIONS			
	Session F Chair of session: Antti Hakola	Session G Chair of session: Satu Helynen	Session H Chair of session: Ulla Ehrnstén
10:15	<i>Integrated System Level Simulation and Analysis of DEMO with Apros</i> Design Engineer Sami Kiviluoto Fortum Power and Heat Oy	<i>The new VTT Centre for Nuclear Safety</i> Research Team Leader Wade Karlsen VTT Oy	<i>Westinghouse TRITON11™ BWR Fuel Design</i> Mr. Kim Dahlbacka Westinghouse Electric Sweden AB
10:40	<i>Remote Handling in Fusion and Fission Research and Industry</i> Principal Scientist Mikko Siuko VTT Oy	<i>Design and Implementation of Forced Cooling Towers for Loviisa NPP</i> Design Engineer Antti Teräsvirta Fortum Power and Heat Oy	<i>Nuclear New Build – Commercial and Contract Management</i> Managing Director Brian Allan QSI Consultancy Group
11:05	<i>Neutrons in Fusion Experiments and Reactors</i> Mr. Jari Varje Aalto University	<i>Safety Culture Concept of an Expert Company</i> <i>Platom Oy</i> Head of Process Modelling Pasi Junninen Platom Oy	<i>Advanced Licensing and Safety Engineering Method - ADLAS®</i> Mr. Pekka Nuutinen Fortum Power and Heat Oy
11:30	<i>Compact Fusion Reactors</i> Dr. Tomas Lindén Helsinki Institute of Physics	<i>How to Face Higher Quality Expectations for the Global Nuclear Supply Chain?</i> Director Stephane Galopin Bureau Veritas	<i>TVO Reactor Internal Pumps: Improved Design to Achieve 20% Capacity Increase</i> Marketing Manager Mats Olsson Westinghouse Electric Sweden AB
11:55	Session end		

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TIME	ROOM FENNIA I	NORDIA	PRESS ROOM
12:10 – 12:55 PLENARY SESSION			
Chair of session: Jarmo Ala-Heikkilä			
12:10	<i>Panel discussion: Future of Nuclear Power – Boom or Bust?</i> Chair: Harri Tuomisto , Fortum Power and Heat Panelists: Jens Conzen , Fauske & Associates, LLC Kim Dahlbacka , Westinghouse Electric Sweden Stéphane Galopin , Bureau Veritas Jukka Laaksonen , Rosatom Energy International Eugene Shwageraus , University of Cambridge	x	x
12:45	<i>Closing Remarks and Best Presentation Award</i> Jarmo Ala-Heikkilä , Chairman of the NST2016 Organizing Committee	x	x
12:55	Session end and symposium conclusion		
13:00-14:00	Lunch (upper lobby)		
17:00-19:00	Studia Generalia (in Finnish), Aalto University School of Business, Runeberginkatu 14-16, hall B200 Presenters: Timo Äikäs (Posiva) and Taina Kurki-Suonio (Aalto); See: http://www.ats-fns.fi/fi/syp2016/studia-generalia		

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