

## Future-proof society: Enhancing social and environmental wellbeing and security

Tampere University, Kalevantie 4, Tampere

9.10.2024

10:00-11:00

Opening of the event

**Panel, Auditorium A1: "Strategic Research Council at 10 Years: Excellent Research Driving for Societal Change"**  
Secretary General (Strategic Research) Pilvi Toppinen, Research Council of Finland, Principal Scientist Kaisa Lähteenmäki-Smith, VTT, Senior Specialist Kirsi-Marja Lonkila, Ministry of Environment & Program Director Mika Nieminen, STEER-program (Strategic Research Council)  
**Moderated by Science Adviser Katri Mäkinen-Rostedt, Research Council of Finland**

11:00-12:00

Keynote 1, Auditorium A1, Main building, 2nd floor

Prof. Toni Ahlqvist: What is a "future-proof society"? Dimensions, aspirations, tensions

12:00-13:00

Lunch, University Restaurant, Main building, 2nd floor

Parallel sessions

Session 1

13:00-14:30

A05   A06   A07   A08   Auditorium A1   A2a   C6   C1   KH6

14:30-15:00

Coffee, Main auditorium foyer, Main building, 2nd floor

Parallel sessions

Session 2

15:00-16:30

A05   A06   A07   A08   Auditorium A1   A2a   C6   C1

19:00

Dinner, restaurant Plevna, Itäinenkatu 8, Tampere

10.10.2024

Parallel sessions

Session 3

9:00-10:30

A05   A06   KH1   A08   Auditorium A1   C1   KH5   D 13

10:30-11:00

Coffee, Main auditorium foyer, Main building, 2nd floor

11:00-12:00

Keynote 2, Auditorium A1, Main building, 2nd floor

**Prof. Paula Kivimaa: Security of Sustainable Energy Transitions: Insights into negative and positive security, policy changes and future requirements**

12:00-13:00

Lunch, University Restaurant, Main building, 2nd floor

Parallel sessions

Session 4

13:00-14:30

A05   A06   KH1   A08   Auditorium A1   C1   KH5   D 13

14:30-15:00

Closure of the event, Auditorium A1

15:00

Coffee, Main auditorium foyer, Main building, 2nd floor

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Lunch, University Restaurant, Main building, 2nd floor

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Parallel sessions

Session 1	13:00-13:30	<b>A05: Future of democracy and its challenges/ Minna Lammi</b> (24) Jantti & Peltomaa: Building Local Sustainability Together? Analyzing Collaborative Efforts in City Strategic Plans	<b>A06: Navigating our digital futures/Jarmo Vitell</b> (5) Drobotowicz: LLM-Powered Decision Assistance System: How to Design for Appropriate Reliance and Agency?	<b>A07: Navigating our digital futures/Mika Nieminen</b> (94) Viljanen, M.: Has the AI ship already sailed?	<b>A08: Sustainable smart communities/Paula Schönach</b> (12) Hautamäki ja Puustinen: Greening the compact city: Unarticulated tensions and incremental advances in municipal climate action plans	<b>Auditorium A1: Multispecies wellbeing in the era of polycrises/Juha Hiedanpää</b> (54) Nykänen et al.: Who Supports Meat Restrictions? The Acceptability of Biodiversity-Promoting Meat Curtailment Policies in Finland	<b>A2a: Sustainable use of natural, material and human resources/Juhapekka Helenius</b> (34) Korhonen: Researching Corporate Care	<b>C6: Viable society: demography, economy and resilience/ Susan Kuivalainen</b> (44) Leinonen et al.: Precarious employment expectancy by history of mental-health-related sickness absence in Finland	<b>C1: Just Transition and resilience in social-technical systems/Juha Peltomaa</b> (1) Ahvenharju: Leadership in crisis? Views on the Role of Government in Tackling the Biodiversity loss by Sari Puustinen	<b>KH6: Sustainable use of natural, material and human resources/Asta Salmi</b> (38) Kukko et al. Extension of lifetime through repair action and reducing purchase of new products
	13:30-14:00	(88) Turunen: Participation in Finnish national climate policy	(18) Huotala et al.: Analyzing Replication Packages in Systematic Reviews for AI-based Automation	(8) Gröhn: Narrative - Missing Link Between Explainable Artificial Intelligence and a Trustworthy Use of Models	(58) Penttilä: Fostering climate justice through legislation? Analysing the role of the local governments	(87) Tuomasjukka et al.: Rational food choices result in improvised daily lunch	(62) Rahman et al.: Circular economy business ecosystem: from barriers to solutions in wood construction in Finland	(7) Falkenbach et al.: Housing market and capitalization of information: The case of land leases	(4) Annala et al.: Energy justice and resilience in the context of the Nordic countries – insights from the literature/Salvatore Ruggero, Jukka Luhas, Mirja Mikkilä	(40) Laaksonen et al. Biodies and growth from bark – cascade use of forest side streams
	14:00-14:30	(37) Kuivalainen et al.: Characterizing Informative Land Policy Instruments for a more inclusive and democratic application	(30) Sadaf: Industry 4.0 shaping sustainable innovation ecosystem of textile industry	(28) Kalliokoski: The elements of good life in the normative AI ethics texts	(68) Ruonavaara et al.: HOW FINNISH CITIES TACKLE RESIDENTIAL SEGREGATION? An analysis of anti-segregation policies in Helsinki, Tampere and Turku	(17) Huan-Niemi et al.: Transition, climate change, and sustainability: Transdisciplinary research via a living lab	(47) Lönnroth et al.: Local land policy interventions and housing supply elasticity: the case of Finland	(64) Raunio & Ahvenainen: Resilience of regional immigration system in time of disruptions – two cases of rural regions in Finland	(9) Hakanen et al.: Fostering sustainability through ecosystem design	(43) Lehtonen et al. From by-product to textile colorant: New Opportunities for Lignin Valorization

14:30-15:00

Coffee, Main auditorium foyer, Main building, 2nd floor

Parallel sessions

Session 2	15:00-15:30	<b>A05: Future of democracy and its challenges/Minna Lammi</b> (60) Puustinen et al.: Special features of biodiversity policy and expert-delphi views on biodiversity policy control measures	<b>A06: Navigating our digital futures/Jarmo Vitell</b> (13) Heikkilä et al.: Student teachers' conceptual understanding of the loss of biodiversity	<b>A07: Navigating our digital futures/Mika Nieminen</b> (25) Kaihlanen et al.: Assessing clients' suitability for digital health – identifying factors influencing individual possibilities of use	<b>A08: Sustainable smart communities/Paula Schönach</b> (82) Suomalainen: Commute trips: who and where to nudge?	<b>Auditorium A1: Multispecies wellbeing in the era of polycrises/Juha Hiedanpää</b> (71) Rönkkö et al.: Towards pandemic-proof cities – from planned vulnerabilities to ecosystem sustainability and multiple wellbeing effects	<b>A2a: Sustainable use of natural, material and human resources/Juhapekka Helenius</b> (36) Kuhmonen et al.: Biodiversity-friendly farming at the mercy of biodiversity-degrading system structures	<b>C6: Viable society: demography, economy and resilience/ Susan Kuivalainen</b> (11) Harjunen et al.: Socio-economic impacts of land rent increases	<b>C1: Just Transition and resilience in social-technical systems/Asta Salmi</b> (14) Heikkinen et al.: Modelling food system transition pathways with environmentally extended simulation model of the Finnish economy
	15:30-16:00	(70) Rytökönen & Sjölund: Lawradar and Tarmo the Chatbot: disrupting the consultation process in law-drafting	(69) Ruotsalainen et al.: Home literacy environment for children's and adolescents' critical reading	(78) Simola et al.: Usable services for all (DigIN) : Usability, benefits and challenges of national patient portals in Finland, Estonia, Norway and Sweden	(99) Zamanipour & Keppo: What is important for consumers' energy-related decisions? A cross-sectoral systematic review and meta-analysis for the Nordic countries	(39) Kärkkäinen et al.: Biodiversity Loss and Pedagogical Approaches Among Pre-Service Teachers	(15) Hietala et al.: Replacing rapeseed meal with faba bean in dairy cows' diet reduces social and environmental impacts of milk	(3) Alho: Population Dynamics of Rigid Organizations in a Declining Population	(20) Häikiö et al.: What do actors do to support sustainability transformation?
	16:00-16:30	(77) Sigfrids et al.: Strengthening public participation in public service digitalization – Preliminary results from a field project for participatory co-creation	(66) Rosenlund et al.: Enhancing equitable access to good quality healthcare – insight to utilization of digital services	(16) Hirvonen & Killi, K.: Evaluating the usefulness of the Full ADHD health literacy game: Perspective taking and emphatic concern	(86) Taivitie & Junnila: Local implications of land use policy – an environmental perspective	(60) Puttonen T. & Shuryang N.Towards resource efficiency and product sustainability in the manufacturing industries	(49) Negi & Räisänen: Natural Anthraquinones as Colorants from Finnish Mushrooms	(51) Nisén et al.: Declining fertility, human capital investment, and economic sustainability	(72) Halme A. et al. Security of supply from higher forms of circular economy

19:00

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Parallel sessions

Session 3	9:00-9:30	<b>A05: Navigating our digital futures/Marjo Kurki</b> (26) Kainiemi et al.: Replacement of in-person visits by digital services among health and social care clients	<b>A06: Sustainable smart communities/Paula Schönach</b> (85) Tahvonen, Ryymin, Virtanen: Bridging the Gap - Translating Research Findings into Effective Pedagogical Practices in Higher Education	<b>KH1: Multispecies wellbeing in an era of multicrisis/Juha Hiedanpää</b> (88) Uunkila: Axiomatic underpinnings of sustainable societies	<b>A08: Sustainable use of natural, material and human resources/Juhapekka Helelius</b> (42) Lehtioemi et al.: Stakeholder frames regarding biodiversity offsetting in Finland	<b>Auditorium A1: Viable society: demography, economy and resilience/Mina Lammi</b> (2) Ala-Mantila et al.: Increasing Residential Segregation in the 20 Largest Cities in Finland: Trends from Multiple Scales	<b>C1: Just Transition and resilience in social-technical systems/OU: Pekka Ruuskanen</b> (22) Häiri: Is smaller always better? Ownership and regenerative business in the forestry sector	<b>KH5: Just Transition and resilience in social-technical systems/Juha Peltomaa</b> (46) Lonkila et al.: How to acknowledge vulnerabilities in just food system transition in Finland?	<b>D 13: Just Transition and resilience in social-technical systems/Karoliina Snell</b> (59) Pulkkinen: Enhancing Competencies for Sustainable Urban Planning: Insights from the Smartland Project
	9:30-10:00	(81) Shivastava et al.: Children's perspectives on online targeted advertisements and their privacy negotiation practices against digital commercial surveillance	(97) Vi-Pielta: Teacher's professional agency and well-being in the classroom	(92) Veijonaho et al.: Adolescence in the midst of changing world: Young people's climate change distress, pro-environmental behaviour and coping strategies	(76) Seppälä et al.: Construction of acceptance in the context of new environment conservation instruments - Case of biodiversity offsetting in Finland	(91) Varje et al.: Population groups and the number of sickness absence days due to mental disorders in the Finnish working population between 2007-2021	(23) Juhansson: Operationalising just transition through framework climate change laws	(50) Niemi et al.: Regional challenges associated with transitioning to a sustainable, low carbon food system in Finland	(63) Raasa et al.: Futurising education to foster engagement in sociotechnical change
	10:00-10:30	(52) Nuckolls et al.: Young People's COVID-19 Related Discussions Throughout the First Year of the Pandemic in a Finnish Youth Forum	(98) Yli-Piellä et al.: Co-creating comprehensive well-being intervention framework with teachers and researchers	(70) Sinkkonen & Roslund: Practical solutions to the polycrisis: the daycare center perspective	(6) Enqvist & Kerkkila: Future of science centres and museums as cradles for viable and innovative communities	(95) Väänänen: Towards the Era of Mental Vulnerability - A history-informed analysis on the emergence of mental health as a major social problem of the working population	(27) Kallonen et al.: Transdisciplinary framework for deliberating just food system transition pathways	(45) Mätschoss et al.: Households' demand flexibility during the energy crisis	(73) Salokannel: Right to privacy and just transition in socio-technical systems: could improved data use give us tools to combat climate change?

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Parallel sessions

Session 4	13:00-13:30	<b>A05: Navigating our digital futures/Marjo Kurki</b> (55) Nyrhinen & Wisika.: Online antecedents for young consumers' impulse buying behavior	<b>A06: Sustainable smart communities/Paula Schönach</b> (29) Karhunen et al.: Modelling driving and its GHG emissions using geospatial data	<b>KH1: Multi-species wellbeing in the era of polycrises/Juha Hiedanpää</b> (65) Raymond, et al.: Enabling multispecies transitions of cities and regions: Overview of the MUST project	<b>A08: Sustainable use of natural, material and human resources/Asta Salmi</b> (32) Kinunen: Regenerative urban planning and development - the case of biogenic carbon sequestration and storage (Sust use -sessosta)	<b>Auditorium A1: Navigating our digital futures/Mika Nieminen</b> (35) Koskinen et al.: Game-Based Learning Can Enhance Students' Understanding of AI Ethics	<b>C1: Just Transition and resilience in social-technical systems/OU: Pekka Ruuskanen</b> (33) Koponen: From linear to system thinking - A comparison of composting guidelines in the carbon cycle of domestic gardens.	<b>KH5: Just Transition and resilience in social-technical systems/Juha Peltomaa</b> (53) Numminen et al.: Energy vulnerability of detached home owners in Finland: An explorative study	<b>D 13: Just Transition and resilience in social-technical systems/Karoliina Snell</b> (75) Sandman et al.: Role of electric vehicles in transition towards more sustainable transportation and psychosocial barriers related to electric vehicle adoption in Finland
	13:30-14:00	(21) Hämäläinen et al.: Promoting Pre-Service Teachers' Confidence to Educate Critical Online Readers	(53) Vihanen A. et al.: Transition pathways in nature-based solutions toward resilient urban environment	(84) Syrjälä et al.: Other-Than-Human Beings in Sustainable Homescapes	(96) Wiman et al.: Is it possible to reach a 25% bio-based carbon share in plastics?	(10) Hallamaa & Haikarainen: Remarks on the background assumptions of resilient AI design	(41) Laitinen et al.: Socio-Technical Scenarios for Future-Proof Green Hydrogen Transition in Finland	(56) Paasonen et al.: Understanding vulnerabilities in datafied culture	(80) Sivonen et al.: Subjective energy poverty and attitudes on climate change mitigation measures - Empirical and ethical considerations
	14:00-14:30	(31) Kili, C. et al.: Designing Engaging Video-Based Instruction to Educate Critical Online Readers	(19) Hyyminen et al.: How do our school textbooks guide us towards analysing and critical graph reading? (Viable society - sessosta)	(67) Roslund et al.: Challenges and opportunities to utilize soil biodiversity in the anthropocene	(90) Uusitalo et al.: Characterization factors for invasive alien species in product life cycle assessment	(74) Salokannel: Assessing fundamental rights impact of high risk AI systems in terms of the AI Act	(45) Leskinen: Just and cost-effective climate policy: The quality of impact assessments and public consultations in the government proposals regarding transport sector	(57) Palovirta et al.: Collaborative business models for just transition: justice-oriented value creation with and for stakeholders	(82) Suomalainen: Car Dependence Versus Mobility Justice: A Case Study in Finnish and European Transport Policy

Closure of the event, Auditorium A1

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