

Time	Track	Type	Title / Session	Authors
DAY 1 — Wednesday 21 October 2026				
08:00	Registration Opens			
08:15	Plenary		OPENING (welcome)	Conference Chairs & NES Chair
08:30	Plenary	KEYNOTE	KEYNOTE 1 — Prof. Måns Svensson (30 min) Sociology of Law & President, Jönköping University	
09:00	Plenary	Paper	[69] Maintaining automation, sustaining stimulating work: a sociotechnical perspective on a steelworks operations laboratory	Joel Lööw, Moa Engström, Ester Söderberg, Maria Johansson, Therese Öhrling, Phillip Tretten and Lena Abrahamsson
09:20	Plenary	Paper	[46] AI Ambassadors and the Sociotechnical System: Exploring the Performative Effects of AI Knowledge in Organizations	Otto Hedenmo
09:40	All	Break	Coffee break	
10:00	Parallel sessions A-C			
10:00	Track A		Sociotechnical Systems, Safety & Human Agency	Chair: Maria Lindholm
10:00	Track A	Paper	[44] Translating Operator Knowledge into Digital Remanufacturing Infrastructures	Erik Lund and Phillip Tretten
10:20	Track A	Paper	[13] Technology without Management: A Macroergonomic Risk Configuration in Digitalizing Finnish SMEs	Vesa Kauppinen and Arto Reiman
10:40	Track A	Paper	[49] When Automation Fails: How Control Room Operators Detect and Manage the Unexpected	Signe Svensson and Jonas Borell
11:00	Track A	Paper	[29] An Autoethnographic Account of LLM-Assisted Research, Editorial Practice, and the Ethics of Cognitive Outsourcing	Denis Coelho
11:20	Track A	Paper	[9] Designing for sustainable decisions: How do consumers choose between delivery options in real online ordering situations?	Ross Phillips and Delphine Pernot
11:40	Track A	Paper	[55] Organizational Learning and the Use of Welfare Technology	Katrin Skagert, Elsa Leth and Susanne Frennert

10:00	Track B		WORKSHOP — PreventiMap Co-Design: Cyberaggression in Healthcare	
10:00	Track B	Workshop	[63] Incidence Analysis of Cyberaggression in Healthcare: PreventiMap Co-Design Session	Sofia Thunberg, Maral Babapour Chafi, Åsa Cajander and Rebecka Cowen Forssell
10:00	Track C		Measurement, Tools & Physical Load	Chair: Gunnhildur Gísladóttir
10:00	Track C	Paper	[54] Assessment of Upper-Body Biomechanical Exposure in Train Technicians Using IMU-Based Measurements	Antonia Krisp and Mikael Forsman
10:20	Track C	Paper	[64] Comparative Evaluation of Wearable Hand-Arm Vibration Measurement Instruments Against Standardized Reference Measurements	Joni Kuittinen and Mikael Forsman
10:40	Track C	Paper	[11] A validated framework for the measurement of reaction load exposure from handheld power tools	David Bergling and Mikael Forsman
11:00	Track C	Paper	[74] Correlations Between Two SweJEM Physical Workload Questions and Technical Measurements Across Occupational Groups	Mikael Forsman, Katarina Kjellberg and Camilla Dahlqvist
11:20	Track C	Paper	[14] Ergonomics training with vibrotactile feedback – A pilot field study within the automotive industry	Thérese Lund, Lena Sandström Winberg, Carl M. Lind, Farhad Abtahi and Liyun Yang
11:40	Track C	Paper	[62] The Mediating Roles of Mediating Tools in Co-Design	Siw Eriksson, Marianne Karlsson and Pontus Wallgren
12:00	All	Break	Lunch	
13:15	Plenary	KEYNOTE	KEYNOTE 2 — Innovative Technologies, Digitalization, Artificial Intelligence - and what about ergonomics and human factors in the age of technology? (40 min)	Dir. & Prof. Dr. Thomas Alexander Head of Division 2, BAuA (Germany); Vice-President, IEA
14:00	Plenary	Paper	[52] The RAMP Tool for MSD Risk Management – Recent and Ongoing Developments	Mikael Forsman and Linda M Rose
14:20	Plenary	Paper	[67] Safety in Human–Robot Collaboration in Construction	Daniel Bal, Jonas Borell and Anna-Lisa Osvalder
14:40	All	Break	Coffee break	

15:00	Parallel sessions A-C			
15:00	Track A		Ergonomics in digital transitions	Chair: Maria Lindholm
15:00	Track A	Paper	[60] Validation of a smartphone EMG application for monitoring muscle load in real workplace conditions	Alfonso Herrera Rodriguez and Mikael Forsman
15:20	Track A	Paper	[26] DigiCompetent – A Training Package for SMEs in the Manufacturing and Logistics Sectors	Tarmo Karhu, Arto Reiman, Sakari Koivunen, Tero Sotamaa, Maria Lindholm, Minna Rantala, Susanna Mattila, Tero Villman and Jari Kaivo-Oja
15:40	Track A	Paper	[43] Perceived safety and health risks of digital technologies in Finnish SMEs	Susanna Mattila, Maria Lindholm, Minna Rantala, Jouni Kivistö-Rahnasto and Arto Reiman
16:00	Track A	Paper	[24] Competencies for Digital Work Development in Manufacturing SMEs: What Finnish Companies Have and What They Need?	Dong Nguyen, Tyyne Hulkko, Arto Reiman, Tero Villman, Tero Sotamaa, Jari Kaivo-Oja, Maria Lindholm, Susanna Mattila, Minna Rantala, Tarmo Karhu, Sakari Koivunen and Jussi Liikkanen
16:20	Track A	Paper	[28] A Digitalisation-Focused Ergonomics Maturity Model for Industry 5.0	Raquel Quesada Díaz, Lars Hanson, Dan Högberg, Aitor Iriondo Pascual and Sunith Bandaru
16:40	Track A	Paper	[25] Ergonomic challenges in electric vehicle repair: emerging risk at the human-technology-organization intersection	Catherine Trask, Katerina Kraus and Lena Andersson
15:00	Track B		WORKSHOP — Assessment of whole-body vibration using wearable and low-cost sensors	
15:00	Track B	Workshop	[15] Scalable and objective assessment of whole-body vibration using wearable and low-cost sensors (15:00-16:30)	Adrian Gomez Sanchez and Pasan Hettiarachchi
15:00	Track C		Visual Ergonomics & the Physical Work Environment	Chair: Gunnhildur Gísladóttir
15:00	Track C	Paper	[75] Lighting, daylight and design of examination rooms in an eye hospital	Kristina Teär Fahnehjelm, Federico Favero, Per Nylén and Jörgen Eklund
15:20	Track C	Paper	[27] Size matters—effect of screen setup on muscle activity and posture in computer work	Camilla Dahlqvist, Inger Arvidsson, Lotta Löfqvist, Marcus Nyström, Susanne Glimne and Hillevi Hemphälä
15:40	Track C	Paper	[79] How progressive lenses effect muscle load, posture, and visual discomfort using different computer screen designs	Susanne Glimne, Hillevi Hemphälä, Inger Arvidsson, Marcus Nyström, Lotta Löfqvist and Camilla Dahlqvist
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16:00	Track C	Paper	[53] From Risk Assessment to Action – Developing a Tool for Companies' MSD Risk Management Processes – with and for Companies	Linda M Rose, Linda Barman, Lena Nord Nilsson, Mikael Forsman, Liyun Yang and Andrea Eriksson
16:20	Track C	Paper	[71] Investigation of hand-intensive work in professional kitchens using wrist velocity measurements and electromyography	Christine Ahlm, Pernilla Elvhage, Mikael Forsman and Ida-Märta Rhén
16:40	Track C	Paper	[39] Ergonomic practice in agricultural innovation: how to analyse farmers' participation	Jean Larbaigt, Clément Zind, Moustafa Zouinar and Flore Barcellini
17:00	All	End of Day 1		

DAY 2 — Thursday 22 October 2026

08:15	Plenary	KEYNOTE	KEYNOTE 3 — Futures of Human Factors and Ergonomics before the Era of Singularity and Beyond the Singularity Era	Dr Jari Kaivo-oja (40 min) Research Director, Finland Futures Research Centre, Univ. of Turku
09:00	Plenary	Paper	[41] From Interaction to Everyday Life: The Different Spheres of Human-AV Relationships.	Marianne Karlsson
09:20	Plenary	Paper	[3] A Participatory Work Study Model for AI-Supported Workplace Learning in Finnish SMEs	Eelon Lappalainen, Marko Alamäki, Sami Sarkkinen and Henna Hurttala
09:40	All	Break	Coffee break	
10:00	Parallel sessions A-C			
10:00	Track A		DOCTORAL STUDENT SYMPOSIUM (networking)	Organisers: Arto Reiman and Maria Lindholm
10:00	Track A	Symposium	PhD student presentations & networking	
10:00	Track B		Transport, Automation & Safety-Critical Systems	Chair: Päivi Kekkonen
10:00	Track B	Paper	[4] Human Foreseeable Misuse while Interacting with EHMI (External Human Machine Interface) mounted on Urban Road, Water, Rail Autonomous Vehicles	Barbara Gallina
10:20	Track B	Paper	[68] Potential Benefits of Adaptive Human Machine Interfaces for Future Fighter Pilot	Jens Alfredson, Staffan Nählinder and Jimmy Hammarbäck
10:40	Track B	Paper	[72] Cognitive Work Environment in Urban Tram Operations: Experiences of Drivers in Complex Traffic Systems	Mikael Johansson, Sofia Samuelsson and Anna-Lisa Osvalder
11:00	Track B	Paper	[32] Passenger Ride Comfort as a Multidimensional Experience: A Framework for Ergonomic Research and Design	Melina Makris
11:20	Track B	Paper	[81] Visual Ergonomics and Lighting Conditions Onboard Ships: Risk Assessment and Recommendations	Hillevi Hemphälä and Johannes Lindén
11:40	Track B	Paper	[73] Gamified Work-Technique Training with Vibrotactile Feedback and Wearable Sensors: A Pilot Evaluation	Yixiao Huang, Jörgen Eklund, Farhad Abtahi and Liyun Yang

10:00	Track C		THEMATIC — Designing Sustainable Hybrid Workplaces	Chair: Maral Babapour Chafi and Viktoria Wahlström
10:00	Track C	Session intro/overview	[7] Designing Sustainable Hybrid Workplaces	Maral Babapour Chafi
10:10	Track C	Paper	[37] Hybrid Workplace: Findings from an activity-based office	Virpi Ruohomäki and Suvi Hirvonen
10:30	Track C	Paper	[48] Making shared offices work: a research-based guide for design, implementation and long-term management with a focus on work environment	Viktoria Wahlström, Anita Pettersson-Strömbäck and Maral Babapour Chafi
10:50	Track C	Paper	[66] Collaboration, cohesion and productivity after implementing a hybrid work model: A longitudinal study in a Swedish municipality	Viktoria Wahlström
11:10	Track C	Paper	[58] Trading [work] Places: A mixed methods exploration of an activity-based flexible office relocation and its influence on employees' basic psychological needs fulfilment, workplace satisfaction, and well-being	Peter O'Reilly and Maral Babapour Chafi
11:30	Track C	Paper	[47] Hybrid work and employee health: A longitudinal study of musculoskeletal pain and salutogenic health	Caroline Corneliusson, Maral Babapour Chafi, Andreas Tornevi, Albin Stjernbrandt and Viktoria Wahlström
11:50	Track C	Discussion	Session discussion	
12:00	All	Break	Lunch	
13:15	Plenary	KEYNOTE	KEYNOTE 4 — Una Emilsdóttir, MD (40 min) Occupational & Environmental Medicine (Denmark)	
14:00	Plenary	Paper	[34] Can welfare technology solve a strained eldercare? A critical study of gaps in vision and practices	Lotta Dellve, Katrin Skagert, Erica Nordlander, Mahwish Naseer and Susanne Frennert
14:20	Plenary	Paper	[56] The many benefits of communication and verbalisation in the ambulance care setting	Johanna Penner, Cecilia Berlin and Ulf Andersson
14:40	All	Break	Coffee break	

15:00	Parallel sessions A-C			
15:00	Track A		Human-AI Teaming, Trust & VR Training	Chair: Päivi Kekkonen
15:00	Track A	Paper	[35] Human-Centred Acoustic AI for Emergency Detection in Public Transport Using Event and Speech Cues	Diva Pant
15:20	Track A	Paper	[16] From pose estimation to reliable ergonomic risk assessment: a systematic review of AI-based automation of observational risk assessment methods	Veeresh Elango, Lars Hanson, Anna Syberfeldt, Johan Sandblad and Mikael Forsman
15:40	Track A	Paper	[12] Adaptive AI-Supported Systems for Dynamic Sitting Behavior	Tarik Emir Kartal
16:00	Track A	Paper	[38] From Post-it to Prompt: Collaborative Evaluation of AI Output in STEM Students' Problem Formulation Work	Lisa Bäckvall
16:20	Track A	Paper	[17] Human Factors: Insights from Virtual Reality Based Fire Safety and Crane Operation Training	A K M Ishtyak Hossain, Jussi Kantola and Rida Kamal
16:40	Track A	Paper	[18] Evaluation Framework for VR Fire Extinguisher Training: Integrating Kirkpatrick's Model and Technology Acceptance Model (TAM)	A K M Ishtyak Hossain, Jussi Kantola and Rida Kamal
15:00	Track B		Healthcare, Patient Safety & Sustainable Work	Chair: Maria Lindholm
15:00	Track B	Paper	[5] Digital follow-up that fits into real life: Human factors requirements for adaptive support after chronic pain rehabilitation	Hrefna Óskarsdóttir
15:20	Track B	Paper	[22] Effects of psychosocial safety climate on sickness presenteeism and absenteeism among eldercare workers	Leticia B Januario, Johanna Edvinsson, Annika Strömberg, Gunnar Bergstöm, Svend Erik Mathiassen and David M Hallman
15:40	Track B	Paper	[31] A supervisor's annual planning cycle tool for occupational safety and health in home-based care	Maria Lindholm and Johanna Pulkkinen
16:00	Track B	Paper	[51] When Driving Is Not Recognized as Work: Safety Challenges in Home Care and Chimney Sweeping	Sofia Samuelsson, Anna-Lisa Osvalder and Jonas Borell
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16:20	Track B	Paper	[45] The Evolution of Medical Record Technologies - A Multivocal Literature Review	Erika Bung Lunde, Maral Babapour Chafi, Oskar Rexfelt and Peter Lundgren
16:40	Track B	Paper	[30] Ergonomic Integration of Repositioning Mechanisms in Hospital Mattresses to Reduce Caregiver Strain and Improve Patient Safety	Maria Foschi, Sanna Ulrika Hälsing, Danna Valentina Paez Sanchez, Mariam Said, Beata Cecilia Yan Virestedt, Marisol Kokko Rico and Fares Al-Khaliliy
15:00	Track C		WORKSHOP — PEPA method – Physical Ergonomics Product Assessment	
15:00	Track C	Workshop	[78] Workshop: Introducing the PEPA method – Physical Ergonomics Product Assessment (15:00-16:30)	Lars-Ola Bligård and Cecilia Berlin
17:00	All	End of sessions		
18:30	SOCIAL		Conference Dinner (Quality Hotel Match) (18:30–21:30)	

DAY 3 — Friday 23 October 2026 (closes at lunch)				
08:15	Plenary	KEYNOTE	KEYNOTE 5 — Prof. Annika Engström (40 min) Work Organisation, School of Engineering, Jönköping University	
09:00	Plenary	Paper	[70] Designing Beyond the Average: Crisis Communication for Cognitive Diversity and Human Performance	Anna-Lisa Osvalder
9:20	Plenary		NES FAREWELL	NES 2026 Organizers, Conference Chairs & NES Chair
09:40	All	Break	Coffee break	
10:00	Parallel sessions A-D			
10:00	Track A		THEMATIC — Examining physical, psychosocial & macro-ergonomic aspects of work flexibility across contexts	Chair: Maral Babapour Chafi and Viktoria Wahlström
10:00	Track A	Session intro/overview	[6] Examining physical, psychosocial and macro ergonomic aspects of work flexibility	Maral Babapour Chafi
10:10	Track A	Paper	[83] Longitudinal Patterns of Work Flexibility and Their Association with Need for Recovery, Burnout, and Well-Being	Christiana Owiredua, David Hallman, Marina Heiden, Johanna Edvinsson and Gunnar Bergström
10:30	Track A	Paper	[33] Cultures of silence in Swedish working-life: importance of workplace location and mobility	Lotta Dellve and Elaheh Kimia
10:50	Track A	Paper	[40] Transitioning to Activity-Based Care (ABC) in an outpatient hospital: A longitudinal survey about employee experiences of shared workspaces	Melina Forooraghi, Ingibjörg Jonsdottir and Maral Babapour Chafi
11:10	Track A	Paper	[10] Health Care Professional's perceptions of shared workspaces – Differences between professional groups	Pia Sirola, Suvi Hirvonen and Annu Haapakangas
11:30	Track A	Paper	[65] Profiles of activity-based working in mental healthcare facility and their associations with the physical and social work environment, and quality of work	Melina Forooraghi, Anneli Schwarz, Cristiana Caira, Elena Exner, Stefan Nilsson, Sepideh Olausson and Maral Babapour Chafi
11:50	Track A	Discussion	Session discussion	

10:00	Track B		WORKSHOP — Visual Ergonomics: Assessment Methods & VERAM	
10:00	Track B	Workshop	[82] WORKSHOP SESSION - VISUAL ERGONOMICS	Susanne Glimne, Hillevi Hemphälä and Malin Håkansson
10:00	Track C		POSTER SESSION (60 min)	
10:00	Track C	Poster	[20] Towards culturally sensitive and inclusive work ability management	Riitta Kärkkäinen, Nasibeh Hedayati, Anja Poberznik and Alfredo Ruiz Egea
10:00	Track C	Poster	[42] Implementing a Safety Management System, Beyond Linear Thinking, in Complex Adaptive Sociotechnical Systems	Anthony Smoker and Tom Laursen
10:00	Track C	Poster	[50] Development and preliminary evaluation of 3D printed textile textures in rehabilitation footwear	Rita Machado, Ana Ribeiro, Cátia Sampaio, Catarina Cabral, Ana Rita Pinheiro and Marta Peixoto
10:00	Track C	Poster	[57] Psychosocial Job Demands and Work Ability among Nursing Staff in Residential Elderly Care with Assessed Indoor Environmental Quality	Katja Holm, Heta Mustonen, Tuula Oksanen and Pertti Pasanen
10:00	Track C	Poster	[76] Ergonomic Risk, Worker Agency, and Ethical Implementation in Nordic SME Manufacturing: A Multi-Method Study	Phillip Tretten and Linnea Norell
10:00	Track C	Poster	[77] Neurorobotic Mechanisms for Physical Ergonomics Interventions in the Next-Generation Fighter	Phillip Tretten and Angelo Compierchio
10:00	Track C	Poster	[80] Designing reusable respiratory protection for comfort, visibility and long-term wear	Karin Reinhold, Meelis Pohlak and Ari Känkänen
10:00	Track C	Poster	[19] Ergonomic Customization of a Modular Dynamometer: Enhancing Precision and User Comfort in Hip Strength Evaluation	Ana Ribeiro, Rita Machado, Sara Faria, Ricardo Moura and Joana Moura de Andrade

11:00	Track D		Human Factors in evolving complex systems	Chair: Maria Lindholm
11:00	Track D	Paper	[61] An Activity Theory–Based Methodological Framework for Analyzing Autonomy in Older Adults’ Use of Digital Banking Services: An Exploratory Study	Kamran Yahyazadeh Noujoo Kambari and Mithra Zahedi
11:20	Track D	Paper	[2] Human Factors: Their Critical Contribution to Enhancing Safety, Operational Performance, and Decision-Making in the Maritime and Offshore Operations	David Nanor
11:40	Track D	Paper	[36] User perceptions of office-based work in Virtual Reality – two observational studies of solo and collaborative tasks	Maral Babapour Chafi and Cecilia Berlin
12:00	All	End	Farewell lunch — end of NES 2026	