HSI2019 Schedule

Wednesday at HSI 2019

Start time	End time	Activity	Track 1	Track 2	Track 3
08:30	09:30	Opening Plenary	**Opening Plenary / Introduction of HSI2019 - Garry Roedler (INCOSE); Kathleen L. Mosier (President of IEA (International Ergonomics Association), San Francisco State University, USA); Claude Roche (Vice-President, Air & Space Academy); Patxi Elissalde (ESTIA)**		
09:30	10:30	Keynote	**Keynote 1 / Human Systems Integration: A Mix of Human-Centered Design, Systems Engineering, Ergonomics, HCI and Artificial Intelligence - Guy André Boy (CentraleSupélec and ESTIA Institute of Technology, Chair of INCOSE HSI WG)**		
10:30	11:00	Break	**Break & Posters Session**		
11:00	12:00	Session 1	Model-Based Systems Engineering and Human-Centered Design *David Atkinson, Continental USA* 1.1.1 / Challenges in Applying Model-Based Systems Engineering: Human-Centered Design Perspective So Young Kim, David Wagner, Alejandro Jimenez (NASA) 1.1.2 / Revisiting Systems' Pages in Engine Indication and Alerting System for Flight Crew Using the DSCU System Architecture and the OQCR Systems Generic State Description Philippe Palanque (ICS-IRIT, University Toulouse 3); Elodie Bouzekri (University of Toulouse); Célia Martinie (IHCS-IRIT, University Paul Sabatier - Toulouse III); Alexandre Canny (ICS-IRIT, University of Toulouse); David Navarre (IHCS IRIT); Christine Gris, Yannick Déléris (AIRBUS); Eric Barboni (ICS-IRIT, Université Paul Sabatier Toulouse III)	Risk management *Nadine Couture, ESTIA, France* 1.2.1 / Enhancing Human Factors Integration within Generic Soldier Architecture for Dismounted Close Combat David Thompson, Deborah Risius, David McNeish, Jennie Cowell-Butler (Dstl) 1.2.2 / Risk taking : Submariner experience Ludovic Loine (AXONE)	Digital Human Modeling *Pernilla Ulfvengren, KTH, Sweden* 1.3.1 / Estimation of Body Surface Area Coverage by Garment Items: Different Approaches using Mesh Base Modelling Gunther Paul, Leyde Briceno (James Cook University) 1.3.2 / Modeling Health Policy with Digital Humans Shamsnaz Bhada (Worcester Polytechnic Institut); Jason Walonoski (MITRE) 1.3.3 / Biomechanical Simulations of Tissue Scaffolds for Skin Wound Healing using a Finger Finite Element Model Gregor Harih (Faculty of mechanical engineering, University of Maribor); Tina Maver (University of Maribor)
12:00	12:30	Plenary Address	**Plenary address / Probabilistic Risk Analysis in Aerospace Human-in-the-Loop Tasks: Review and Extension - Ephraim Suhir (Portland State University, Portland, OR, USA)**		
12:30	13:45	Lunch	**Lunch**		
14:00	14:30	Plenary Address	**Plenary address / Engineering the HSI - Avi Harel (Ergolight); Avigdor Zonnenshain (Technion, Haifa)**		
14:30	16:00	Panel	**Panel 1 / Do We Need to Develop a New Discipline of Human Systems Integration? - Avi Parush (Technion); Avigdor Zonnenshain (TECHNION); Michael Boardman (MOD, UK); Deborah A. Boehm-Davis (Facebook Reality Labs); Ron Boring (Idaho National Laboratory, ID, USA); Guy André Boy (CentraleSupélec & ESTIA Institute of Technology, France); Nancy Cooke (Arizona State University, USA); Avi Harel (Ergolight, Israel)**		
16:00	16:30	Break	**Break & Posters Session**		
16:30	17:30	Session 2	Automotive cabin design *Bernard Yannou, CentraleSupélec, France* 2.1.1 / Survey of Long Haul Truck Drivers: What would your ideal Ingress Concept look like? Jennifer Hebe, Adrian Hüger, Klaus Bengler (Chair of Ergonomics, Technical University of Munich) 2.1.2 / Driver Modeling and Simulation to support the Virtual Human Centered Design of future Driving Aids Thierry Bellet, Jonathan Deniel (IFSTTAR (LESCOT)); Jean-Charles Bornard (ESI-Group (CIVITEC)); Bertrand Richard (IFSTTAR (LESCOT))	Organization, orchestration, social dimension (I) *Florence Reuzeau, Airbus Group, France* 2.2.1 / Organisational Process Reengineering: A Human-Centered Design Approach Gopal Jani (Kineticx tech solutions Pvt. Ltd); Tushar Mehta (Smt.Chandaben Mohanbhai Institute of Computer Applications, Charusat University) 2.2.2 / 'Orchestrating' methodology for designing an Industrial System that improves Occupational Health and Safety Edwige Quillerou, Aurélien Lux (INRS)	Decision Making, Robotics and Digital Human Modeling *Wen-Chin Li, Cranfield University, UK* 2.3.1 / Results of Applying Strategy System Model (SSM) for Building and using "Human Centered Enterprise Model (HCEM)" D. Jargalsaikhan (Gund Investment, Mongolia) 2.3.2 / Operations Room Design for the Control of a Fleet of Robots. Ontology-Based Function Identification and Allocation Chloé Rolos (CentraleSupélec and ESTIA); Dimitri Masson (ESTIA); Guy Boy (CentraleSupélec and ESTIA) 2.3.3 / Developing Pattern Theory to Accommodate Figure Shapes with Bust Size Variations Tanya Dove (Hong Kong Polytechnic University. Institute of textiles and clothing)
18:30	19:15	Plenary Address	**Plenary address / Human Thought in HSI: From Procedure and Expert System to Machine Learning - Jean Pinet (Former Experimental Test Pilot of Concorde and Co-founder of Airbus Training, Former Air & Space Academy President, France)**		
19:15	20:30		**HSI2019 Reception**		

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Thursday at HSI 2019

Start time	End time	Activity	Track 1	Track 2	Track 3
09:00	10:00	Keynote	**Keynote 2 / Human teaming with autonomous systems: Building support for situation awareness - Mica Endsley (Former US Air Force Chief Scientist, President of SA Technologies)**		
10:00	10:30	Break	**Break & Posters Session**		
10:30	12:00	Panel	**Panel 2 / Human Interface Considerations for Situational Awareness - Christian Schnedler, Michael Joy (IDEMIA National Security Solutions, former New York Police Department); Tye Lageman (iStay Alert LLC); Mica Endsley (Former US Air Force Chief Scientist, USA); Nick Gkikas (BAE Systems, UK)**		
12:00	13:15	Lunch	**Lunch**		
13:30	14:30	Keynote	**Keynote 3 / The Role of the Human in Systems of Systems: Example of the Air Combat System of the Future (SCAF) - Brigadier General Vincent BRETON (French Air Force)**		
14:30	15:30	Session 3	3.1 *Gudela Grote, ETH, Switzerland* 3.1.1 / A Theoretical Behavior Model of Social Media Influences and Activism - Michael Workman (Texas A&M University) 3.1.2 / Do You Know What I Know? - Investigating and Enhancing Transactive Memory Systems in Multi-Team Systems - Carmen Bruder, Verena Vogelpohl, Jana Schadow, Anne Papenfuß, Dirk Schulze Kissing (German Aerospace Center (DLR)) 3.1.3 / A sociotechnical systems approach to the design of underspecified future systems: A case study of a military submarine - Alexandra Boeing, Karina Jorritsma, Belinda Cham, Mark Griffin (Curtin University)	3.2 *Jean-François Boujut, Grenoble Tech, France* 3.2.1 / A Small Group Design Thinking Methodology - Tania Randall (DRDC Atlantic); Simon Banbury (C3 Human Factors Consulting); Aren Hunter, Don Coady (DRDC Atlantic); Geneviève Dubé (CAE Canada); Kevin Baker (C3 Human Factors Consulting) 3.2.2 / Testing Operator-Level Programming and Control of Unmanned Air Vehicles - Ronald Giachetti, Kathleen Giles, Duane Davis (Naval Postgraduate School) 3.2.3 / Effect of the Harmonic Oscillator on Spatiotemporal Parameters in Overground and Treadmill Walking - Sofia Scataglini (Military Hospital Queen Astrid & Royal Military Academy & Department of Product Development, Faculty of Design Sciences, University of Antwerp, Belgium); Farés Barouche (Haute Ecole Libre de Bruxelles Ilya Prigogine, Belgium); Eddy Roosens (Military Hospital Queen Astrid & Haute Ecole Libre de Bruxelles Ilya Prigogine, Belgium); Eric Bernard, Damien Van Tiggelen (Military Hospital Queen Astrid, Belgium); Stijn Verwulgen (Department of Product Development, Faculty of Design Sciences, University of Antwerp, Belgium)	3.3 *Peter Moertl, Virtual Vehicle Research Center, Graz, Austria* 3.3.1 / Listening Effort and Cognitive Load of Implicit versus Explicit Multi-Talker Training - Cosima Lanzilotti (IRBA Institut de Recherche Biomédicale des Armées and ISAE-SUPAERO); Sébastien Scannella (ISAE-SUPAERO - Institut supérieur de l'aéronautique et de l'espace); Guillaume Andéol (IRBA - Institut de recherche biomédicale des armées) 3.3.2 / PEPSS & TESS : training tools for crisis first responders, managers and their support teams - Pierre Le Bot, Cecilia De-La-Garza (EDF R&D)
15:30	16:00	Break	**Break & Posters Session**		
16:00	17:30	Panel	Panel 3 / HSI Implications of Adaptive Human-Machine Teaming - Tom Mcdermott (Stevens); David Atkinson (Continental, USA); Nancy Cooke (Arizona State University, USA); Dennis Folds (Lowell Scientific Enterprises); Jeff Morrison (US Office of Naval Research, USA); Brigadier Général Vincent Breton (French Air Force, France); Florence Reuzeau (Airbus Group, France)		
19:30	23:00		**Banquet Dinner**		

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Friday at HSI 2019

Start time	End time	Activity	Track 1	Track 2	Track 3
09:00	10:00	Keynote	**Keynote 4 / Prototyping Interactions with Future Cars and Robots - David Sirkin (Stanford University)**		
10:00	10:30	Break	**Break & Posters Session**		
10:30	12:00	Session 4	Situation awareness *Nancy Cooke, Arizona State University, USA* 4.1.1 / Is a Picture Worth a Thousand Words? Adding Bi-Directional Graphic Communication to the Interaction of Observer-Attacker Teams Ilit Oppenheim, Tal Oron Gilad, Yisrael Parmet, Yoav Yulis (BGU) 4.1.2 / Evaluating the effect of Air Traffic Controllers' Attention Distributions and Situation Awareness on Augmented Visualization Design of Remote Tower System Wen-Chin Li, Graham Braithwaite (Cranfield University) 4.1.3 / Making Command and Control Maps More Useful for Operators of Unmanned Aerial Systems: A Preliminary Model and Empirical Approach Tal Oron-Gilad (Ben-Gurion University); Yisrael Parmet (BGU); Yuval Zak (Ben Gurion University)	Autonomy, automated driving *Alexander Rudolph, Continental, Germany* 4.2.1 / A Human-Systems Integration Framework Around the SAE Taxonomy for Automated Driving Systems Peter Moertl, Norah Neuhuber, Paolo Pretto (Virtual Vehicle Research Center) 4.2.2 / Innovative Methodological Framework for Virtual Human Centered Design: An Application to Automated Driving Effects on Driver's Decisions-Making Thierry Bellet, Jonathan Deniel (IFSTTAR - LESCOT); Jean-Charles Bornard (CIVITEC – ESI-Group); Bernard Claverie (Bordeaux INP - ENSC) 4.2.3 / Tackling Human Factors within New Autonomous Scenario Daniel Petrisor (C S&T Iasi Continental Automotive Romania S.R.L.); Danilo da Costa Ribeiro (C S&T Systems Engineering Continental AG)	Interaction design, tactile interaction *Santosh Mathan, Honeywell, USA* 4.3.1 / Analysis of the Co-Design Activity: Influence of a Mixed Artifact and Contribution of the Gestural Function in a Spatial Augmented Reality Environment Jean-Francois Boujut, Maud Poulin, Cédric Masclet (G-SCOP) 4.3.2 / Tacsel: A Shape-Changing Tactile Screen Applied for Eyes-Free Interaction in Cockpit Nadine Couture, David Antonio Gómez Jáuregui (ESTIA) 4.3.3 / Electro-Tactile Feedback as Support for an Adjustment Task on Touch Control Elements? Peter Schmid, Thomas Maier, Markus Wizani (Institute for Engineering Design and Industrial Design University of Stuttgart) 4.3.4 / Extracting Grasping Cues from One-Handed Tools Geometry for Digital Human ModelS Alexandre Macloud, Ali Zeighami, Rachid Aissaoui, Louis Rivest (École de Technologie Supérieure, Montréal, Canada.)
12:00	13:00	Closing Plenary	**Closing / Closing discussion and planning the future HSI2021 conference**		
13:00	14:00	Lunch	**Lunch**		