

HSI2021 Schedule

Monday at HSI2021

Start time	End time	Start time	End time	Start time	End time	Start time	End time	Start time	End time	Start time	End time	Start time	End time	Start time	End time	Start time	End time		Track 1
US West Coast		US East Coast		UK		Europe		India		China Hongkong		Korea and Japan		Australia Sydney					
05:15	05:30	08:15	08:30	13:15	13:30	14:15	14:30	18:45	19:00	21:15	21:30	22:15	22:30	00:15	00:30	Opening Plenary Keynote - Plenary#Intro: / Introduction and Welcome - Michelle Robertson (IAE), Grace Kennedy (University of Wollongong) Keynote - Plenary#Welcome: / Welcome by INCOSE President - Kerry Lunney (INCOSE) Keynote - Plenary#K1: Keynote 1 / Human Systems Integration for Human-Machine Teaming Nancy Cooke (Arizona State University)			
05:30	06:00	08:30	09:00	13:30	14:00	14:30	15:00	19:00	19:30	21:30	22:00	22:30	23:00	00:30	01:00				
06:00	7:00	09:00	10:00	14:00	15:00	15:00	16:00	19:30	20:30	22:00	23:00	23:00	0:00	01:00	2:00				
7:00	7:30	10:00	10:30	15:00	15:30	16:00	16:30	20:30	21:00	23:00	23:30	0:00	0:30	2:00	2:30	Break			
US West Coast		US East Coast		UK		Europe		India		China Hongkong		Korea and Japan		Australia Sydney					
																			STS
																			<i>Session Chair: Guy André Boy</i>
7:30	8:00	10:30	11:00	15:30	16:00	16:30	17:00	21:00	21:30	23:30	0:00	0:30	1:00	2:30	3:00	Presentation#10: 2.1 / Socioergonomics: A few clarifications on the Technology-Organizations-People Tryptic Guy Andre Boy (Centralesupelec (Paris Saclay University) and ESTIA)			
8:00	8:30	11:00	11:30	16:00	16:30	17:00	17:30	21:30	22:00	0:00	0:30	1:00	1:30	3:00	3:30	Presentation#5: 2.2 / Utilizing a Human Readiness Level (HRL) Scale to Promote Effective System Integration Benjamin Schwartz (Northrop Grumman)			
8:30	9:00	11:30	12:00	16:30	17:00	17:30	18:00	22:00	22:30	0:30	1:00	1:30	2:00	3:30	4:00	Presentation#LBW2: 2.3 / HABA-MABA and High Consequence Facility Security—Understanding the Human/Machine Trade Space in Security System Design & Performance Elizabeth Fleming, Adam D. Williams (Sandia National Labs)			
12:10	12:30	12:00	13:00	17:00	18:00	18:00	19:00	22:30	23:30	1:00	2:00	2:00	3:00	4:00	5:00	Break			
US West Coast		US East Coast		UK		Europe		India		China Hongkong		Korea and Japan		Australia Sydney					
																			Human Autonomy Teaming
																			<i>Session Chair: Frank Flemisch, Yotam Sahar</i>
10:00	11:30	13:00	14:30	18:00	19:30	19:00	20:30	23:30	1:00	2:00	3:30	3:00	4:30	5:00	6:30	Panel#12: Panel 1 / Challenges and Opportunities in Integration of Human and Autonomous systems Moderator:Frank Flemisch (RWTH); Yotam Sahar (Department of Industrial Engineering and Management, Ariel University); Panelists: Michael Wagner (Department of Industrial Engineering and Management, Ariel University); Guy André Boy ; Mark Draper (Air Force Research Lab, United States of America); Marcel Baltzer (Fraunhofer FKIE, Germany); Jurriaan van Diggelen (TNO , The Netherlands);			
14:40	15:00	14:30	14:45	19:30	19:45	20:30	20:45	1:00	1:15	3:30	3:45	4:30	4:45	6:30	6:45	Break			
US West Coast		US East Coast		UK		Europe		India		China Hongkong		Korea and Japan		Australia Sydney					
																			HFE
																			<i>Session Chair: Edwige Quillerou</i>
11:45	12:00	14:45	15:00	19:45	20:00	20:45	21:00	1:15	1:30	3:45	4:00	4:45	5:00	6:45	7:00	Invited Content#43: 5.1 / Destruction and Creation: The Emergence of an Evidence-Based MBHSI Process Matthew Taranto (USAF Test Pilot School)			
12:00	12:15	15:00	15:15	20:00	20:15	21:00	21:15	1:30	1:45	4:00	4:15	5:00	5:15	7:00	7:15	Invited Content#41: 5.2 / Addressing HSI Trade Space and Optimization Goals using the Model-Based HSI Process and Mathematical Programming Joseph Novak (Naval Postgraduate School)			
12:15	12:45	15:15	15:45	20:15	20:45	21:15	21:45	1:45	2:15	4:15	4:45	5:15	5:45	7:15	7:45	Invited Content#33: 5.3 / Risk-taking, Prevention and Design: a Cross-Fertilization Approach Edwige Quillerou (INRS)			
12:45	13:15	15:45	16:15	20:45	21:15	21:45	22:15	2:15	2:45	4:45	5:15	5:45	6:15	7:45	8:15	Invited Content#30: 5.4 / The Influence of HFES on Human Systems Integration Christopher Reid (HFES)			
14:40	15:00	16:15	17:30	21:15	22:30	22:15	23:30	2:45	4:00	5:15	6:30	6:15	7:30	8:15	9:30	Break			

HSI2021 Schedule

Wednesday at HSI2021

Start time	End time	Start time	End time	Start time	End time	Start time	End time	Start time	End time	Start time	End time	Start time	End time	Start time	End time	Track 1	Track 2	
US West Coast		US East Coast		UK		Europe		India		China Hongkong		Korea and Japan		Australia Sydney				
04:30	05:45	07:30	08:45	12:30	13:45	13:30	14:45	18:00	19:15	20:30	21:45	21:30	22:45	23:30	00:45	Break		
US West Coast		US East Coast		UK		Europe		India		China Hongkong		Korea and Japan		Australia Sydney				
05:45	06:45	08:45	09:45	13:45	14:45	14:45	15:45	19:15	20:15	21:45	22:45	22:45	23:45	00:45	01:45	Keynote	Keynote - Plenary#K2: Keynote 2 / Human Systems Integration through a Common Modeling Language Nancy Leveson (MIT)	
06:45	7:00	09:45	10:00	14:45	15:00	15:45	16:00	20:15	20:30	22:45	23:00	23:45	0:00	01:45	2:00	Break		
US West Coast		US East Coast		UK		Europe		India		China Hongkong		Korea and Japan		Australia Sydney				
7:00	7:30	10:00	10:30	15:00	15:30	16:00	16:30	20:30	21:00	23:00	23:30	0:00	0:30	2:00	2:30	Session 3	HSI & HFE in the Healthcare Area I <i>Session Chair: Susan Hallbeck</i>	Safety Systems <i>Session Chair: Alexander Rudolph</i>
																	Panel#36: Panel 3A / Human Factors/Ergonomics and Systems in Healthcare -Session I Moderator: Susan Hallbeck (Mayo Clinic); Michelle Robertson (IEA); Panelists: Ayse Gurses (Johns Hopkins University); Raj Ratwani (MedStar Health National Center for Human Factors in Healthcare); Teodor Grantcharov (University of Toronto);	Invited Content#39: 3B.2 / Cross-professional Communication in Various Healthcare Settings and Implications to Patient Safety Avi Parush (Israel Institute of Technology)
7:30	8:00	10:30	11:00	15:30	16:00	16:30	17:00	21:00	21:30	23:30	0:00	0:30	1:00	2:30	3:00		Invited Content#37: 3B.3 / HSI and Safety: where we stand, where we wish to go Jean-Jacques Speyer (VUB-ULB-KUL Universities)	
8:00	8:30	11:00	11:30	16:00	16:30	17:00	17:30	21:30	22:00	0:00	0:30	1:00	1:30	3:00	3:30		Invited Content#37: 3B.3 / HSI and Safety: where we stand, where we wish to go Jean-Jacques Speyer (VUB-ULB-KUL Universities)	
8:30	9:30	11:30	12:30	16:30	17:30	17:30	18:30	22:00	23:00	0:30	1:30	1:30	2:30	3:30	4:30	Break		
US West Coast		US East Coast		UK		Europe		India		China Hongkong		Korea and Japan		Australia Sydney				
9:30	10:00	12:30	13:00	17:30	18:00	18:30	19:00	23:00	23:30	1:30	2:00	2:30	3:00	4:30	5:00	Session 4	HSI & HFE in the Healthcare Area II	MBSE <i>Session Chair: So Young Kim-Castet</i>
																	Panel#38: Panel 4A / Human Factors/Ergonomics and Systems in Healthcare -Session II Moderator: Avi Parush (The Israel Institute of Technology); Michelle Robertson (IEA); Panelists: Abigail Wooldridge (University of Illinois at Urbana-Champaign); Tara Cohen (Cedars-Sinai); Patrick Waterson (University of Loughborough);	Presentation#11: 4B.1 / Usability Analysis of an MBSE Model of Standard Operating Procedures Jomana Bashatah, Lance Sherry (Center for Air Transportation Systems Research (CATSR) at GMU)
10:00	10:30	13:00	13:30	18:00	18:30	19:00	19:30	23:30	0:00	2:00	2:30	3:00	3:30	5:00	5:30		Presentation#13: 4B.2 / Towards Model-based HSI Engineering: A Universal HSI Model for Utility Optimization Avi Harel (Ergolight)	
10:30	11:00	13:30	14:00	18:30	19:00	19:30	20:00	0:00	0:30	2:30	3:00	3:30	4:00	5:30	6:00		Presentation#17: 4B.3 / Model Based HSI & Operational Processes Simulation Eran Peleg (Metaphor Vision Ltd.); Dr. Avigdor Zonnenshain (Technion); Ph.D. Nirit Gavish (Ort Braude Colleg)	
11:00	11:15	14:00	14:15	19:00	19:15	20:00	20:15	0:30	0:45	3:00	3:15	4:00	4:15	6:00	6:15	Break		
US West Coast		US East Coast		UK		Europe		India		China Hongkong		Korea and Japan		Australia Sydney				
11:15	11:45	14:15	14:45	19:15	19:45	20:15	20:45	0:45	1:15	3:15	3:45	4:15	4:45	6:15	6:45	Session 6	Organisational HSI <i>Session Chair: Ami Harel</i>	Virtual/Digital Engineering <i>Session Chair: Dimitri Masson</i>
																	Presentation#21: 6A.2 / Implementing HSI Research in COTS Tools Steven Dam (SPEC Innovations)	Presentation#18: 6B.1 / Development of a digital twin for collaborative decision-making, based on a multi-agent system: application to prescriptive maintenance Quentin Lorente (Safran Helicopter Engines / Univ. Bordeaux, ESTIA Institute of technology); Eric Villeneuve, Christophe Merlo (Univ. Bordeaux, ESTIA Institute of technology); François Thermy (Safran Helicopter Engines); Guy André Boy (Université Paris-Saclay, CentraleSupélec, Industrial Eng. Lab / Université Bordeaux, ESTIA Institute Of Technology)
11:45	12:15	14:45	15:15	19:45	20:15	20:45	21:15	1:15	1:45	3:45	4:15	4:45	5:15	6:45	7:15		Presentation#23: 6A.3 / The Economic Benefits of Human Performance Models in Systems Engineering Richard Steinberg, Alice Jackson (Raytheon); Jade Driggs (USAF)	Presentation#29: 6B.2 / Ergonomics 4.0: Human-Centered Procedure for Ergonomic Design Using Virtual Reality Prototyping Meng Li, Xinhe Yao (Delft University of Technology); Doris Aschenbrenner (Aalen University); Daan van Eijk, Peter Vink (Delft University of Technology)
12:15	12:45	15:15	15:45	20:15	20:45	21:15	21:45	1:45	2:15	4:15	4:45	5:15	5:45	7:15	7:45		Presentation#23: 6A.3 / The Economic Benefits of Human Performance Models in Systems Engineering Richard Steinberg, Alice Jackson (Raytheon); Jade Driggs (USAF)	Presentation#24: 6B.3 / Visualizing and Interacting with a System-Centric Enterprise Digital Thread Malcolm Panthaki, Tim Keer (Aras Corporation) (start at 15:30)
14:40	15:00	15:45	17:00	20:45	22:00	21:45	23:00	2:15	3:30	4:45	6:00	5:45	7:00	7:45	9:00	Break		

HSI2021 Schedule

Thursday at HSI2021

Start time	End time	Start time	End time	Start time	End time	Start time	End time	Start time	End time	Start time	End time	Start time	End time	Start time	End time	Track 1	Track 2
US West Coast		US East Coast		UK		Europe		India		China Hongkong		Korea and Japan		Australia Sydney			
04:30	05:45	07:30	08:45	12:30	13:45	13:30	14:45	18:00	19:15	20:30	21:45	21:30	22:45	23:30	00:45	Break	
US West Coast		US East Coast		UK		Europe		India		China Hongkong		Korea and Japan		Australia Sydney			
05:45	06:45	08:45	09:45	13:45	14:45	14:45	15:45	19:15	20:15	21:45	22:45	22:45	23:45	00:45	01:45	Keynote	Keynote - Plenary#K3: Keynote 3 / Keynote on sociotechnical systems and HSI Paul Salmon (University of the Sunshine Coast, Australia)
06:45	7:00	09:45	10:00	14:45	15:00	15:45	16:00	20:15	20:30	22:45	23:00	23:45	0:00	01:45	2:00	Break	
US West Coast		US East Coast		UK		Europe		India		China Hongkong		Korea and Japan		Australia Sydney			
7:00	7:30	10:00	10:30	15:00	15:30	16:00	16:30	20:30	21:00	23:00	23:30	0:00	0:30	2:00	2:30	Session 1	Autonomy/Human-Cyber Physical Systems (CPS) <i>Session Chair: Michael Boardman</i> Presentation#7: 1.1 / Bio-Cyber-Physical Systems: from concepts to human-systems integration engineering Didier Fass (ICN Business School MOSEL LORIA (UMR CNRS 7503) Univ. de Lorraine); Franck Gechter (CIAD (UMR 7533) and MOSEL LORIA (UMR CNRS 7503) Univ. Bourgogne Franche-Comté (UTBM) and Univ. de Lorraine) Presentation#28: 1.2 / Holistic Asset Performance Management Systems: Speculative design for Industrial APM systems and human work experience in an Industry 5.0 setting Rounak Sengupta, Vivek Kant (Indian Institute of Technology Bombay) Presentation#16: 1.3 / Influence of Estimated Mission Data on Air Mission Commander Situation Awareness During Datalink Loss Axel Schulte, Carsten Meyer, Tobias Kreutz (Universität der Bundeswehr München)
7:30	8:00	10:30	11:00	15:30	16:00	16:30	17:00	21:00	21:30	23:30	0:00	0:30	1:00	2:30	3:00		
8:00	8:30	11:00	11:30	16:00	16:30	17:00	17:30	21:30	22:00	0:00	0:30	1:00	1:30	3:00	3:30		
8:30	9:30	11:30	12:30	16:30	17:30	17:30	18:30	22:00	23:00	0:30	1:30	1:30	2:30	3:30	4:30	Break	
US West Coast		US East Coast		UK		Europe		India		China Hongkong		Korea and Japan		Australia Sydney			
9:30	11:00	12:30	14:00	17:30	19:00	18:30	20:00	23:00	0:30	1:30	3:00	2:30	4:00	4:30	6:00	Panel 2	Exploring the Synergies between Social & Human Systems Integration <i>Session Chair: Grace Kennedy</i> Panel#22: Panel 2 / Exploring the Synergies between Social Systems and Human Systems Integration Moderator: Grace Kennedy (University of Wollongong); Panelists: Avigdor Zonnenshain ; John Gill ; Shamsnaz Bhada ;
11:00	11:15	14:00	14:15	19:00	19:15	20:00	20:15	0:30	0:45	3:00	3:15	4:00	4:15	6:00	6:15	Break	
US West Coast		US East Coast		UK		Europe		India		China Hongkong		Korea and Japan		Australia Sydney			
11:15	11:45	14:15	14:45	19:15	19:45	20:15	20:45	0:45	1:15	3:15	3:45	4:15	4:45	6:15	6:45	Session 7	Case Studies <i>Session Chair: Peter Moertl</i> Presentation#6: 7A.1 / Toward total traceability and full transparency communication in textile industry supply chain Pantxika Ospital (Université de Bordeaux ESTIA Institute of Technology Belharra Numérique); Dimitri Masson, Jeremy Legardeur (ESTIA Institute of Technology) Presentation#8: 7A.2 / Human-Systems Integration of Agricultural Machinery in Developing Economy Countries: Perceptions of Adoption Presentation#31: 7A.3 / Toward Integrated Automation Status and Alerting Display Management Systems for Vehicles
11:45	12:15	14:45	15:15	19:45	20:15	20:45	21:15	1:15	1:45	3:45	4:15	4:45	5:15	6:45	7:15		Case Studies <i>Session Chair: Jean-Jacques Speyer</i> Presentation#27: 7B.1 / Participatory design as a tool to foster innovation: A case study of an aviation company Golnoosh Torkashvand (George Brown Collge) Presentation#25: 7B.2 / Systems Engineering Approach to Human Factors aboard the Dream Chaser® Spaceplane Cargo System
12:15	12:45	15:15	15:45	20:15	20:45	21:15	21:45	1:45	2:15	4:15	4:45	5:15	5:45	7:15	7:45		Presentation#20: 7B.3 / A Meta-Model for integrating Human Factors into System Engineering
14:40	15:00	15:45	17:00	20:45	22:00	21:45	23:00	2:15	3:30	4:45	6:00	5:45	7:00	7:45	9:00	Break	

HSI2021 Schedule

Friday at HSI2021

Start time	End time	Start time	End time	Start time	End time	Start time	End time	Start time	End time	Start time	End time	Start time	End time	Start time	End time	Start time	End time		
																		Track 1	
US West Coast		US East Coast		UK		Europe		India		China Hongkong		Korea and Japan		Australia Sydney					
04:30	05:45	07:30	08:45	12:30	13:45	13:30	14:45	18:00	19:15	20:30	21:45	21:30	22:45	23:30	00:45				
US West Coast		US East Coast		UK		Europe		India		China Hongkong		Korea and Japan		Australia Sydney				SE 4 AI	
05:45	06:45	08:45	09:45	13:45	14:45	14:45	15:45	19:15	20:15	21:45	22:45	22:45	23:45	00:45	01:45			Keynote - Plenary#K4: Keynote 4 / Systems Engineering in the Era of Human/Machine Teaming Tom McDermott (Stevens Institute & SERC)	
06:45	7:00	09:45	10:00	14:45	15:00	15:45	16:00	20:15	20:30	22:45	23:00	23:45	0:00	01:45	2:00			Break	
US West Coast		US East Coast		UK		Europe		India		China Hongkong		Korea and Japan		Australia Sydney				Approaches/Perspectives	
																		Session Chair: Cynthia Null	
7:00	7:30	10:00	10:30	15:00	15:30	16:00	16:30	20:30	21:00	23:00	23:30	0:00	0:30	2:00	2:30			Invited Content#40: 6.1 / Future Challenges for Human Factors Integration Michael Boardman (DSTL)	
7:30	8:00	10:30	11:00	15:30	16:00	16:30	17:00	21:00	21:30	23:30	0:00	0:30	1:00	2:30	3:00			Invited Content#35: 6.2 / Interactive Systems: a Unique Place for Human-Hardware-Software Integration and their Vulnerability to Human-Made and Natural Faults Philippe Palanque (Universtite Paul Sabatier)	
8:00	8:30	11:00	11:30	16:00	16:30	17:00	17:30	21:30	22:00	0:00	0:30	1:00	1:30	3:00	3:30			Invited Content#42: 6.3 / Expanding our understanding of what constitutes a safety-relevant occurrence Dr. Cynthia H. Null, Dr. Jon B. Holbrook (NASA Langley Research Center)	
8:30	9:30	11:30	12:30	16:30	17:30	17:30	18:30	22:00	23:00	0:30	1:30	1:30	2:30	3:30	4:30			Break	
US West Coast		US East Coast		UK		Europe		India		China Hongkong		Korea and Japan		Australia Sydney				Future of HSI - Joining Efforts with INCOSE, IEA & ACM	
																		Panel#32: Panel 5 / Joint INCOSE, IEA, & ACM Panel	
9:30	11:00	12:30	14:00	17:30	19:00	18:30	20:00	23:00	0:30	1:30	3:00	2:30	4:00	4:30	6:00			Moderator: Michael Boardman (dstl); Panelists: Kathleen Mosier (International Ergonomics Association); Guy André Boy (Centralesupelec (Paris Saclay University) and ESTIA); Kerry Lunney (INCOSE); Susanne Boll (ACM, Germany);	
11:00	11:15	14:00	14:15	19:00	19:15	20:00	20:15	0:30	0:45	3:00	3:15	4:00	4:15	6:00	6:15			Break	
US West Coast		US East Coast		UK		Europe		India		China Hongkong		Korea and Japan		Australia Sydney				Keynote - Plenary#Closing: W / Wrap-up & Conclusion	
																		Closing Address	
11:15	12:15	14:15	15:15	19:15	20:15	20:15	21:15	0:45	1:45	3:15	4:15	4:15	5:15	6:15	7:15			Guy Andre Boy (Centralesupelec (Paris Saclay University) and ESTIA); Marilee Wheathon (INCOSE)	
12:15	13:30	15:15	16:30	20:15	21:30	21:15	22:30	1:45	3:00	4:15	5:30	5:15	6:30	7:15	8:30			Break	