

HSI WG – 2020 Workshop

International Event hosted by the HSI Israeli WG
Supported by ESTIA Institute of Technology, France

Tuesday-Thursday, 27-29.10.2020

**Human System Integration in the Era of Global
Crises Challenges and Opportunities.**

You are invited to take part in Developing and Advancing the HSI
Awareness and Practices in the Systems Engineering Community.

Join us to reinforce the HSI community and inspire to persistent dialogue on HSI.

Virtual Workshop of three days for about 4 hours a day.

13:15 UTC/GMT on 27.10 and 13:55 UTC/GMT on 28, 29.10.

30 topics (3 days * 2 tracks/day * 5 topics/track), presented by lecturers from 8 countries to participants
from 24 countries. 20 min lecture followed by 10min Q&A and a 30min daily summary session

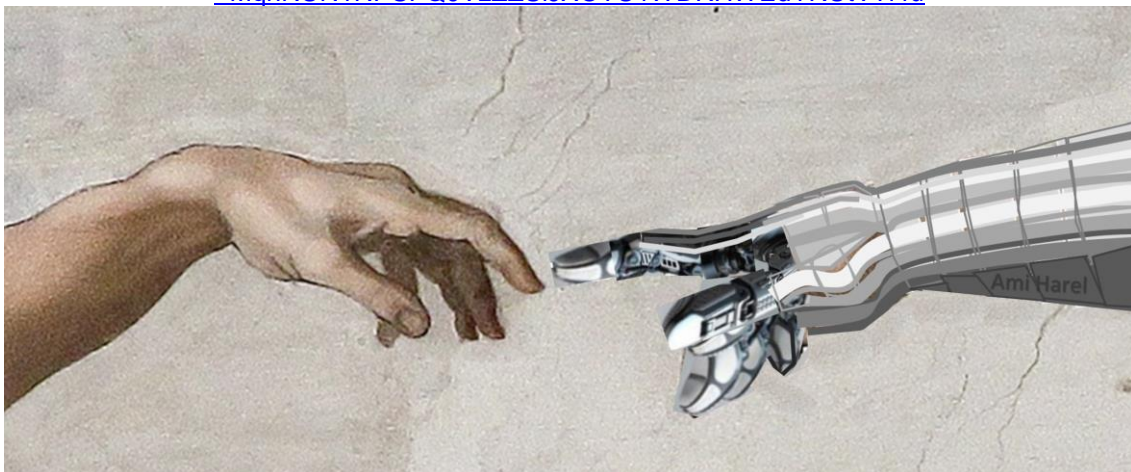
The link for the event will be shared with abstract and bio for the tracks and lecturers on 23.10.2020.

Time zone converter:

<https://www.timeanddate.com/worldclock/fixetime.html?msg=HSI+workshop+-+Day+1+&iso=20201027T1315&p1=1440&ah=4>

Free Registration. Pre-registration is required:

<https://forms.office.com/Pages/ResponsePage.aspx?id=vCENNyqVPkmiyRPPoeY1IC3ta8YTwnNChCe4fCMqhNUN1NPSFQ0VzZZSIJXOTU1WDRHWEdYRUtVTi4u>



Prof Guy Andre Boy, Chair, and Ami Harel, Co-Chair

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Israel Time					UTC/GMT		Human Systems Integration Working Group - 2020 Workshop (Virtual Event)				
Start Time	End Time	Start Time	End Time	Human System Integration in the Era of Global Crises Challenges and Opportunities							
Time		Time		Time		Time		Tue 27.10.2020			
1515	1530	1315	1330	Prof Guy Andre Boy (France), INCOSE, HSI WG Chair - Opening							
1530	1540	1330	1340	Memoriam: Zvi Straucher - An HSI Pioneer							
1540	1555	1340	1355	Logistic/Coffee Break							
Start Time	End Time	Start Time	End Time	A	The Impact of the 4th Industrial Revolution on H S I			B	H S I in Healthcare		
1555	1600	1355	1400	Dr. Avigdor Zonnenshain (Israel) - Chair			Prof. Avi Parush (Israel) - Chair				
1600	1630	1400	1430	1.1	Prof. Guy Boy (France) - FlexTech: From Rigid to Flexible Human-Systems Integration			2.1	Prof. Kenneth Catchpole (USA) - Healthcare as an Adaptive Complex System		
1630	1700	1430	1500	1.2	Prof. Daniele Regazzoni and Prof. Caterina Rizzi (Italy) - Virtualization of the Human in the Digital Factory			2.2	Prof. Chris Nemeth (USA) - Current global crises in light of resilience in healthcare systems		
1700	1730	1500	1530	1.3	Prof. Nancy Cooke (USA) - HSI applied to Human-AI-Robot Teaming in the COVID-19 era			2.3	Dana Arad (Israel) - Developing online tools for training Covid-19 care teams: changing training modes in response to the crises		
1730	1740	1530	1540	Refreshment Break – 10min							
1740	1810	1540	1610	1.4	Eran Peleg (Israel) - MBSE Methodology and Tools for H S I			2.4	Dr. Shaul Lev (Israel) - Introducing new technologies to treat Covid-19 patients		
1810	1840	1610	1640	1.5	Ido Lev-Ran (Israel) - Human Factors Challenges in Human-AI Teams			2.5	Prof. Jeff Caird (Canada) - A Health system preparedness for the next "Ebola"		
1840	1910	1640	1710	Daily Summary Session							
Israel Time					UTC/GMT		Wed 28.10.2020				
Start Time	End Time	Start Time	End Time	C	Smart Transportation Aspects of HSI			D	HSI and Preparedness for Disaster Management		
1555	1600	1355	1400	Dr. Ilit Oppenheim (Israel) - Chair			Avi Harel (Israel) - Chair				
1600	1630	1400	1430	3.1	Dr. Tom Voge (Belgium) - Mobility as a Service (MaaS) – Policy and Regulation			4.1	Prof. Nancy Leveson (USA) - A Systems Approach to Disaster Management		
1630	1700	1430	1500	3.2	Prof. Glenn Lyons (UK) - The importance of user perspective in the evolution of MaaS			4.2	Dr. Carmit Padan (Israel) - Enhancing Resilience: Lessons Learned from Israeli Localities around the Gaza strip		
1700	1730	1500	1530	3.3	Prof. John Lee (USA) - Where does the person go with driverless cars - A multi-level systems analysis			4.3	Dr. Ori Nisim Levy (Israel) - Emergency assessments and management at the state or city level		
1730	1740	1530	1540	Refreshment Break – 10min							
1740	1810	1540	1610	3.4	Dr. Bryan Reimer (USA) - Challenges in the human machine transition area with collaborative driving			4.4	Prof. Ron Kenett (Israel) - Quality aspects of the information delivered to rescue teams and individuals for decision making		
1810	1840	1610	1640	3.5	Dr. Gila Kamhi (Israel) - Vehicles as the most perceptive mobile entity - Changing the environment and social behavior			4.5	Dr. Yuval Bitan (Israel) - Design for emergencies: How design can improve human performance during emergency situations		
1840	1910	1640	1710	Daily Summary Session							
Israel Time					UTC/GMT		Thu 29.10.2020				
Start Time	End Time	Start Time	End Time	E	HSI Aspects of Extended Reality Environments			F	Advanced Issues in H S I		
1555	1600	1355	1400	Dr. Nirit Gavish (Israel) - Chair			Ami Harel (Israel) - Chair				
1600	1630	1400	1430	5.1	Laura Militello (USA) - Design Principles for XR Training to Support Recognition Skills			6.1	Grace Kennedy (Australia) - System Resilience		
1630	1700	1430	1500	5.2	Dr. Nirit Gavish (Israel) - How Do They Change Who We Are in The Real World			6.2	Dr. John Gill (USA) - Sociotechnological Systems Engineering Framework as a possible Framework for HSI		
1700	1730	1500	1530	5.3	Prof. Doron Friedman (Israel) - VR as The Ultimate Behavioral Lab			6.3	Uri Lavi (Israel) - Motorcycles: the most challenging vehicle for human and AI assistance systems integration		
1730	1740	1530	1540	Refreshment Break – 10min							
1740	1810	1540	1610	5.4	Maj. Dr. Alex Blekman (Israel) - The Effectiveness of Training Technicians using 3D Models and VR, final approval required			6.4	Lt. Col. Dr. Ariel Furer and Lt. Col. Barr Inbar (Israel) - Data empowerment for decision makers at times of pandemic and infodemic		
1810	1840	1610	1640	5.5	Gil Benesh (Israel) - The New Era of Reality			6.5	Helit Barel (Israel) - The role of information in managing a non-conventional event: Lessons from the Israeli experience with COVID-19		
1840	1910	1640	1710	Workshop Closing Summary Session							