Workshop on
Human Systems Integration (HSI)
Achieving Systems Tangibility

Appointed time	19, June 2019 ; 08:45
Place	Ha'Sharon Hotel, Herzlia
Instructor	**Prof. Guy André Boy,** **Professor at CentraleSupélec & President, Science Board,** **ESTIA Institute of Technology, France**

Objective

Main objective of this workshop is to introduce and discuss why tangibility has become a crucial issue in Human-Systems Integration (HIS). Indeed, user interface and automation were (and still are in technology-centered engineering practice) concepts of the 20th century bridging the gap between technology-centered engineering and users. Virtual engineering and tangibility are concepts of the 21st century bridging the gap between human-centered design, systems engineering and people. We will see how tangibility can be described in terms of complexity, flexibility, stability, maturity and sustainability. We will discuss the philosophical shift from the 20th century (going from hardware to software) to the 21st century (going from software to hardware). Examples will be taken in aeronautics, automotive and other life-critical systems domains.

Who Should Attend?

Systems engineers, human factors specialists, human-computer interaction practitioners, software developers, technical managers and more generally people who are interested in Human-Systems Integration of complex systems.

הרשמה מראש חובה !   לכבוד אילטם   **Email: kfir@iltam.org**   פקס - 6889216 (03)

טופס הרשמה ל – Achieving Systems Tangibility

אני מטפל/ת בהשגת מכתב התחייבות מהחברה : שם: _____ חברה:_____

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דמי השתתפות בסדנא לקהל הרחב: 600 ₪ (לא כולל מע"מ), לחברי אילטם/ אינקוסי 450 ₪ (לא כולל מע"מ)
דמי ההשתתפות כוללים: השתתפות בסדנא, תקציר ההרצאות, כיבוד וארוחות צהריים.
ביטול השתתפות אחרי ה-12.06.2019 ו/או אי הגעה ביום העיון יחויב בתשלום מלא.

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Agenda

08:45-09:00	Registration and Welcome
09:00-10:00	Introducing the tangibility concept in HSI
10:00-10:45	The making of complex systems
10:45-11:00	Coffee Break
11:00-11:40	An aerospace example
11:40-12:20	An automotive example
12:20-12:45	Discussion: Q&A and interaction with the audience
12:45-13:45	Lunch Break
13:45-14:30	The flexibility issue: automation vs. autonomy
14:30-15:15	Levels of autonomy
15:15-15:30	Refreshments
15:30-16:15	The maturity issue in complex systems development
16:15-16:45	Stability, resilience and sustainability
16:45-17:00	Discussion: Q&A and interaction with the audience

About the Speakers

Guy André Boy is professor at CentraleSupélec (Paris Saclay University) and ESTIA Institute of Technology in France. He is the Chair of INCOSE Human-Systems Integration (HSI) Working Group. He was Chief Scientist for Human-Centered Design (HCD) at NASA Kennedy Space Center, and Dean of the HCD Institute at Florida Institute of Technology. He taught HCD at the Ecole Polytechnique of Paris. He was President and Chief Scientist of the European Institute of Cognitive Sciences and Engineering. He was Head of the Advanced Interaction Media Research Group at NASA Ames Research Center, California. He wrote several books and articles on topics such as HCD, HSI, HCI, cockpit design, human factors in aeronautics.