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1st Intensive Course on Critical Skills for Engineers 2020

1st – 5th of April 2019

Venue: Aalborg University, Copenhagen, Denmark

Address: A.C. Meyers Vaenge :15, 2540 Copenhagen SV, Denmark

Venue in Google Maps:

All the lectures will be video recorded and be uploaded onto the program's Youtube Channel

30 March 2019	Arrival of the Participants
1 April 2019	
09:00 - 10:00	Introduction to Robotics (Ass. Professor L. Doitsidis, TEIoC)
10:00 - 11:00	Introduction to Robotics (Ass. Professor L. Doitsidis, TEIoC)
11:00 - 11:15	Coffee Break
11:15 - 12:15	Introduction to Programming for Robotics (Dr. T. Kounalakis, AAU)
12:15 - 13:30	Lunch Break
13:30 - 14:30	Introduction to Programming for Robotics (Dr. T. Kounalakis, AAU)
14:30 - 15:30	Introduction to Artificial Intelligence (Researcher Bruno Cunha, IPP)
15:30 - 16:30	Introduction to Artificial Intelligence (Researcher Bruno Cunha, IPP)
1630 - 1800	Poster Session
2 April 2019	
09:00 - 10:00	The Project-Oriented Problem-Based Learning Model (Ass. Prof. E. Triantafyllou, AAU)
10:00 - 11:00	The Project-Oriented Problem-Based Learning Model (Ass. Prof. E. Triantafyllou, AAU)
11:00 - 11:15	Coffee Break
11:15 - 12:15	Invited Presentation of the AAU Research Academy (Tentative date and time)
12:15 - 13:30	Lunch
13:30 - 14:30	How to write, present and present your work (Ass. Prof. K. Petridis, TEIoC)
14:30 - 15:30	An Introduction to Graphene & 2D Materials (Prof. Adam BABIŃSKI, UW)
15:30 - 16:30	An Introduction to Graphene Based Solar Cells (Ass. Professor K. Petridis, TEIoC)
3 April 2019	
09:00 - 10:00	An Introduction to Quantum Computing (Dr hab. Andrzej DRAGAN, UW)
10:00 - 11:00	An Introduction to Quantum Computing (Dr hab. Andrzej DRAGAN, UW)
11:00 - 11:15	Coffee Break
11:15 - 12:15	Teaching with PBL: The Aalborg Model (Ass. Prof. E. Triantafyllou, AAU)
12:15 - 13:30	Lunch Break
13:30 - 14:30	Teaching with PBL: The Aalborg Model (Ass. Prof. E. Triantafyllou, AAU)
14:30 - 15:30	Scientific Writing Principles (Dr. K. Zourou, W2L)

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15:30 - 16:30	Open Science & Why Should you care? (Part I) / How reproducible is your Research (Part II) – Open Science Clinique, FOSTER Network
16:30 - 17:30	Research Papers vs Research 'Outputs' (Part I) / Why if you could publish just three papers (Part II) – Foster Network To be announced – AAU Humanomics, Research Group (AAU)
4 April 2019	
09:00 – 10:00	An Introduction to Entrepreneurship (R. Tavio, EVM)
10:00 – 11:00	An Introduction to Project Management (R. Tavio, EVM)
11:00 – 11:15	Coffee Break
11:15 – 12:15	An Introduction to 5G Communications (Associate Prof. E. Kokkinos, TEIoC)
12:15 – 13:30	Lunch Break
13:30 – 14:30	Overview of IoT (P. Degreeef, Thomas More)
14:30 – 15:30	How IoT introduces vulnerabilities in your network (P. Degreeef, Thomas More) / Demonstration of a sensor network, using node – RED and MQTT to measure, exchange and store measurement data (S. Verbruggen, Thomas More)
15:30 – 16:30	Principles of Blended Teaching (Adj. Prof. Ricardo Almeida, IPP)
1630 - 1800	Lab Tour within AAU: Multi – Sensory Experience Lab, Light Lab, Augmented Cognition Lab, Student Group Rooms
5 April 2019	
09:00 - 10:00	Exams
10:00 - 11:00	Exams
11:00 - 11:15	Coffee Break
11:15 - 11:45	Evaluation of the IC activities
11:45 - 13:00	Certificate Ceremony & Farewell Lunch
13:00 - 17:30	CRETE project meeting
18:00	Dinner for the meeting participants

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