

# Schedule

08:15

REGISTRATION AND BREAKFAST

08:45

OPENING

Professor Matti Vilkkko, TUT

08:50

FUTURE WORKSITES: SAFETY AND PRODUCTIVITY

Associate Professor Reza Ghabcheloo, TUT

09:10

HUMAN AND ROBOTIC INTELLIGENCE JOIN TO SHAPE THE FUTURE WORLD

Professor Jose Luis Martinez Lastra and Assistant Professor Roel Pieters, TUT

09:30

APPLICATIONS OF AI IN REMOTE AND AUTONOMOUS SHIPPING

AI Development Lead Jussi Poikonen, Remote & Autonomous Operations, Rolls-Royce Marine

09:55

PITCH AND CATCH

- 1 Efficient and interactive Human Robot Collaboration, Associate Professor Minna Lanz
- 2 Five schools of thought for building intelligent systems, Associate Professor Andrei Lobov
- 3 Marriage of modern AI and classical computational methods, PhD Arun Singh
- 4 Reasoning Machines, Dr. Tech Borja Ramis Ferrer
- 5 Invertible Nonlinear Dynamics for Deep Learning, PhD student Mohammad M. Aref
- 6 Predictive analytics, Senior Research Fellow Tomi Krogerus

10:15

SCIENCE PLAYGROUND

Coaches Marja Hyypiä & Leena Köppä

11:00

LAB VISITS:

- 1 FAST-Lab - seamless knowledge integration of humans and machines. Telepresence robot for those wishing to visit the lab having the robot as proxys
- 2 MEI collaborative robotics laboratory and AM robot
- 3 Heavy Lab - research of Automation and Hydraulic Engineering

Presenter: Professor Matti Vilkkko, Automation and Hydraulic Engineering, TUT