



MACHINE LEARNING AND VISION FOR INDUSTRIAL APPLICATIONS

SUMMER SCHOOL

July 28-31, 2020, Kristiansand, Norway

Machine learning and computer vision have the potential to significantly improve the automation and autonomy of many industrial applications (e.g. offshore, automotive, telecommunication, gaming and increasing the operational performance, decreasing manual operations, increasing benefits, minimizing losses, optimizing productivity and improving safety and security.



The goal of this Summer School MALVIC is to bring together pioneering international scientists in machine learning and computer vision with both academia and practitioners from the industrial fields on a unique setting for the discussion and demonstration of practical, hands-on machine learning and vision research and development. Offshore industrial applications and industrial process scenarios are examples for the summer school target.

Registration March 15-May 01, 2020.

norceresearch.no/arrangementer/malvic20

INVITED SPEAKERS

Guy Theraulaz, CNRS Research Director, France

Prof. Guy Theraulaz is a world-leading expert in the study of collective intelligence and collective behaviors in animal and human groups. He is also a leading researcher in the field of swarm intelligence and computational biology, primarily studying social insects but also distributed algorithms, e.g. for collective robotics, directly inspired by nature.

Jürgen Schmidhuber, Scientific Director of IDSIA, Switzerland

Prof. Jürgen Schmidhuber is a computer scientist most noted for his work in the field of artificial intelligence, deep learning and artificial neural networks. He is a co-director of the Dalle Molle Institute for Artificial Intelligence Research in Manno, in the district of Lugano, in Ticino in southern Switzerland.

René Vidal, Professor at JHU, USA, and Chief scientist at NORCE

Prof. René Vidal is the Herschel Seder Professor of Biomedical Engineering and the Inaugural Director of the Mathematical Institute for Data Science at The Johns Hopkins University. He has secondary appointments in Computer Science, Electrical and Computer Engineering, and Mechanical Engineering.

Thomas Bäck, Professor at Leiden University (The Netherlands) and Chief Scientist at NORCE

Prof. Thomas Bäck is head of the Natural Computing Research Group and Director of Education at the Leiden Institute of Advanced Computer Science (LIACS). He received his PhD in Computer Science from Dortmund University, Germany, in 1994. He has been Associate Professor of Computer Science at Leiden University since 1996 and full Professor for Natural Computing since 2002.

Horst Bischof, Full Professor, and Vice-Rector TU Graz, Austria

Prof. Horst Bischof received his M.S. and Ph.D. degree in computer science from the Vienna University of Technology in 1990 and 1993. In 1998 he got his Habilitation (venia docendi) for applied computer science.

Marius Leordeanu, Professor, Politehnica University of Bucharest

Prof. Marius Leordeanu is also a Senior Researcher at the Institute of Mathematics "Simion Stoilow" of the Romanian Academy (IMAR). He received the PhD in 2009 from the Robotics Institute of Carnegie Mellon University and Bachelor's in Computer Science and Mathematics in 2003, from Hunter College of the City University of New York.

Daimler Speaker (Tentative), Practical talk

NVIDIA Speaker (Tentative), Practical talk

Contactinfo: Nabil Belbachir, Research Director, nabe@norceresearch.no, +47 401 08 137