



MACHINE LEARNING AND VISION FOR INDUSTRIAL APPLICATIONS

MALVIC

AUTUMN SCHOOL (Online)

October 18-22, 2021, 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 multimedia) by enhancing the operational performance, decreasing cost related to manual operations, increasing benefits, minimizing losses, optimizing productivity and improving safety and security. The goal of this Autumn 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 autumn school target.

Early bird registration August 28th, 2021.

norceresearch.no/arrangementer/malvic21

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, Professor, and Vice-Rector TU Graz, Austria

Prof. Horst Bischof is vice rector for research and Professor at the Institute for Computer Graphics and Vision at the Graz University of Technology, Austria. He has more than 750 publications with notable works on object recognition, visual learning, on-line and life-long learning, motion and tracking, visual surveillance and biometrics and medical computer vision.



Takeo Kanade, Professor, Carnegie Mellon University, USA

Prof. Takeo Kanade is a Japanese computer scientist and one of the world's foremost scientists in computer vision. He has more than 300 publications and 20 patents and with notable works including Lucas-Kanade method, face detector, Tomasi-Kanade factorization method...etc.



Marius Leordeanu, Professor, Politehnica University of Bucharest

Prof. Marius Leordeanu is also a Senior Scientist of the Romanian Academy (IMAR). He holds a PhD from the Robotics Institute of CMU and Bachelor's in Computer Science and Mathematics in 2003, from Hunter College of the City University of New York.



Stefano Soatto, Professor, UCLA, Director of Applied Science, Amazon AI

Prof. Stefano Soatto is a professor of computer science with notable works in Computer Vision and Nonlinear Estimation and Control Theory. vision, sound, touch) to interact with humans and the environment.



Google Speaker, Practical talk

Daimler Speaker (Tentative), Practical talk

NVIDIA Speaker (Tentative), Practical talk

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