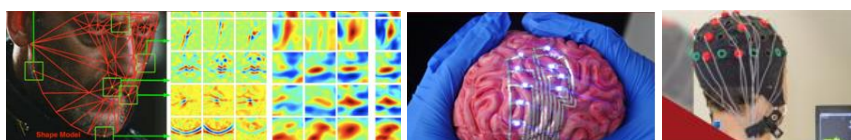


Programme

14:00	Welcome to Open Day and Workshop @ ISR-UC
14:15 – 15:15	Presentation of Research Activities
14:15	<p>UniQode: an integrated solution for secure authentication and traceability</p> <p>Allan Freitas da Silva / Guilherme G. Schardong</p>
14:30	<p>The main challenges of Brain-computer interfaces: reliability and usability</p> <p>Aniana Cruz</p>
14:45	<p>CodeFace: a deep learning printer-proof steganography for face portraits</p> <p>Luiz Schirmer</p>
15:00	<p>Machine intelligence in Rehabilitation, Pathologies Characterization and Wildfires</p> <p>João Ruivo Paulo</p>
15:15 – 15:35	Kick off on Posters Presentation (in the Coffee break spot: ISR zero floor)
15:35 – 16:15	Coffee Break & Poster session (ISR zero floor)
16:15 – 17:15	Presentation of Research Activities
16:15	<p>Computational Intelligence on Industry. Projects: iProMo & InGestAlgae</p> <p>Jérôme Mendes</p>
16:30	<p>Deformable Face Models in the Wild</p> <p>Pedro Martins</p>
16:45	<p>Recognizing identities beyond facial recognition</p> <p>João Marcos</p>
17:00	<p>Motion Planning Supported by Reinforcement Learning in an Assisted Mobility Context</p> <p>Luís Garrote</p>
17:15 – 17:30	Closing Session
17:30	Sunset gathering (free food and drinks)



Posters titles

An experimental assessment of depth estimation performance for three different depth cameras technologies in transparent and refractive scenes | Eva Curto

Artificial Perception Framework for Scene Understanding in Forestry Robotics | M. Eduarda Andrada

Biosignal-driven Machine agents and Reinforcement Learning | João Perdiz

CodeFace: A Deep Learning Printer-Proof Steganography for Face Portraits | Farhad Shadmand

Cooperative and Multimodal Localisation of 5G-enabled Multi Robot Systems | Panagiotis Karfakis

Deep Facial Diagnosis | Jin Bo

Deep Fuzzy Systems in regression applications: a view on interpretability | Jorge Sampaio Silveira Júnior

Deep Learning on Intelligent Transportation Systems | Bruno Silva

Deep Learning-based Perception Modules applied in a Dynamic Environment-based Visual Interface System for Brain-actuated Wheelchairs | Ricardo Pereira

Efficient Large-Scale Mapping and Path Planning in Forest Environments | Afonso Carvalho

EU-MORE Project: Accelerating electric motor renovation in the EU | João Fong

Improving the reliability and probabilistic interpretation of deep neural networks in critical applications | Pedro Conde

LiDAR semantic segmentation in SafeForest project | Habibu Mukhandi

Multi-camera Wireless Capsule Endoscopy: Segmentation of Movement and Local Panoramic Views for Capsule Localization and Lesion Detection | Marina Duarte de Macedo Oliveira

Multi-Robot Path Planning based on Self-Organized Map for Autonomous Robots | André Araújo

Multimodal perception for precision agriculture | Tiago Barros

Off-Grid Solar Systems for Sustainable development – Design and Optimization of a Cold-Storage System with Thermal Energy Storage for Developing Countries | Evandro Garcia

Online optimization toward sustainability: application to Wastewater Treatment Plant | Rodrigo de Oliveira Salles

Optimization and Management of Microgrids to Deliver High Power Quality in Critical and Disaster Situations | Alexandre Filipe Matias Correia

Robustness of deep learning based face recognition under morphing attacks | Iurii Medvedev

Single trial detection of error-related potentials in brain-machine interfaces | Mine Yasemin

Toward Autonomous Fabrication of Chip-integrated Stretchable Circuits | Pedro Lopes

Visual Odometry in Wireless Capsule Endoscopy | Nahid Nazifi

Visual Perception Methods for Autonomous Driving | Gopi Krishna Erabati

Stay tuned with us: <https://web.isr.uc.pt/openday> | <https://isr.uc.pt/>

Please, send us your comments and suggestion to openday@isr.uc.pt

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