



BrainTwin 2nd Summer School

PROVISIONAL AGENDA

Date

5-9.09, 2022

Venue

Online (all times Romanian local time: EEST, UTC +3)

<https://teams.microsoft.com/l/meetup-join/19:EH6g5yWvPnb3ij7xxnLTAblLfdPp9sjXJqolRiacDF81@thread.tacv2/1661865512168?context=%7B%22Tid%22:%22b03aeaf4-501f-4e57-adbf-4867a08aa847%22,%22Oid%22:%22c58df59b-4cdc-4131-b27f-706ad57cdda7%22%7D>

Day 1: Monday, 05.09.2022

16:00-16:05 EEST	Log in
16:05-16:30 EEST	<i>Welcoming address and BrainTwin project presentation</i> Nicolae LUCANU , Project Manager, TUIASI, Romania
16:30-17:30 EEST	<i>Applications of graphene on neurotechnology</i> Eduard MASVIDAL , Postdoctoral researcher, Catalan Institute of Nanoscience and Nanotechnology (ICN2), Spain
17:30-18:30 EEST	<i>Nanotechnology-based Solutions for Neuroscience</i> Julio CAMARERO , Professor, Autonomous University of Madrid (UAM), Spain



Day 2: Tuesday, 06.09.2022

09:55-10:00 EEST	Log in
10:00-11:00 EEST	<i>Investigating Neural Circuit Functions</i> Elisabeth ABS , Postdoctoral Researcher, ETH Zürich, Switzerland
11:00-12:00 EEST	<i>Microchips for Neurostimulation</i> Anpan HAN , Senior Researcher, Technical University of Denmark, Denmark
12:00-13:00 EEST	<i>Funding opportunities for research and innovation</i> Iuliana NICHERSU , Project Manager, Steinbeis Europa Zentrum, Karlsruhe, Germany

Day 3: Wednesday, 07.09.2022

14:55-15:00 EEST	Log in
15:00-16:00 EEST	<i>With the Power of Thoughts: How the Role of Brain-Computer Interfaces will affect the Sixth Generation (6G) Wireless Systems</i> Christoph Lipps, Jan Herbst and Ann-Kathrin Beck , German Research Centre for AI (DFKI), Germany
16:00-17:00 EEST	<i>Introduction to non-invasive Brain-Computer Interfaces (BCIs)</i> Víctor MARTÍNEZ CAGIGAL , Postdoctoral Researcher, University of Valladolid, Spain, and Eduardo SANTAMARÍA VÁZQUEZ , PhD student at University of Valladolid, Spain
17:00-18:00 EEST	<i>Case study: signal processing in row-col paradigms (RCP) using MEDUSA©</i> Eduardo SANTAMARÍA VÁZQUEZ , PhD student at University of Valladolid, Spain, and Víctor MARTÍNEZ CAGIGAL , Postdoctoral Researcher, University of Valladolid, Spain



Day 4: Thursday, 08.09.2022

14:55-15:00 EEST	Log in
15:00-16:00 EEST	<i>Recent trends in AI for medical engineering</i> Iulian CIOCOIU , Professor, TUIASI
16:00-17:00 EEST	<i>Advanced EMG processing for prosthetic control and biometrics</i> Ashirbad PRADHAN , University of Waterloo, Canada

Day 5: Friday, 09.09.2022

09:55-10:00 EEST	Log in
10:00-11:00 EEST	<i>An experience in the User-centered design of a hybrid wearable robot for spinal cord injury</i> Diana HERRERA , PhD student, National Hospital for Paraplegics, Spain
11:00-12:00 EEST	<i>Using virtual therapy and augmented feedback for neuromotor recovery</i> Robert LUPU , Associate Professor, TUIASI, Romania
12:00-12:30 EEST	<i>Closing Session</i> Nicolae LUCANU , Project Manager, TUIASI, Romania



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