

TBrainBoost Summer School 1.0: Leveraging Neuroscientific Discoveries for Neurorehabilitation Products and Services

16th -20th July 2024



AGENDA

Tuesday, 16 July 2024 – Module 1:

9:00 – 10:00 AM	Registration (on-site students) and ZOOM log in (online students)
10:00 – 10:10 AM	Welcome note & summer school opening: Uroš Marušič
10:10 – 10:30 AM	Academia vs Industry: Bridging Neuroscientific Discoveries with Neurorehabilitation Innovations: Uroš Marušič
10:30 – 10:45 AM	Coffee break
10:45 – 12:30 AM	Students' project presentations
12:30 – 2:00 PM	Lunch break
2:00 – 3:30 PM	<u>Keynote lecture:</u> Bridging Academia and Industry: Personalized Exergaming for Post-Stroke Rehabilitation: Eling De Bruin
7:00 PM	Opening ceremony

Wednesday, 17 July 2024 – Module 2:

8:45 – 9:00 AM	Registration (on-site students) and ZOOM log in (online students)
9:00 – 10:00 AM	Physical and Mental Fatigue: How Can Technology Help: Bart Roelands
10:00 – 10:15 AM	Coffee break
10:15 – 11:45 AM	Motor-Cognitive Testing and Training Across the Lifespan: Bridging Research and Business Innovation: Florian Giesche
11:45 – 12:30 AM	Workshop (improving projects)



12:30 – 2:00 PM	Lunch break
2:00 – 3:00 PM	Driving Societal Benefits Through Ideation and Innovation in Robotics Technology: Kevin de Pauw
3:00 – 3:15 PM	Coffee break
3:15 – 4:00 PM	Hands-On Physiotherapy Techniques for Cerebral Palsy Patients: Tatjana Horvat
4:00– 5:00 PM	Workshop (improving projects)

Thursday, 18 July 2024 – Module 3:

8:45 – 9:00 AM	Registration (on-site students) and ZOOM log in (online students)
9:00 – 11:30 AM	Bridging Theory and Practice: Physiotherapy for Parkinson's Disease Patients: Rok Koritnik, Sabina Posar, Saša Juretič (UKC Ljubljana - division of neurology)
11:30 – 11:45 AM	Coffee break
11:45 – 12:30 AM	Workshop (improving projects)
12:30 – 2:00 PM	Lunch break
2:00 – 3:00 PM	EEG Applications and Hands-On Training with BDI Index for Dementia Testing part 1: Jurij Dreo
3:00 – 4:00 PM	Hands-on Workshop - EEG Applications and Hands-On Training with BDI Index for Dementia Testing part 2: Tisa Pavlovčič
5:00 – 9:00 PM	Dinner: Opportunity for relaxation and networking in a social setting

Friday, 19 July 2024 – Module 4:

8:45 – 9:00 AM	Registration (on-site students) and ZOOM log in (online students)
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9:00 – 10:30 AM	Perturbation-based Balance Training for Falls Prevention: Transfer of research-based technologies into clinical and commercial application: Michael Schwenk
10:30 – 10:45 AM	Coffee break
10:45 AM – 12:30 PM	Workshop: Finalizing Projects
12:30 – 2:00 PM	Lunch break
2:00 – 2:30 PM	Workshop: Finalizing Projects
2:30 – 4:00 PM	<u>Keynote lecture:</u> Gait and postural abnormalities after deep brain stimulation for Parkinson's disease: myth or reality?: Dejan Georgiev

Saturday, 20 July 2024 – Module 5:

8:45 – 9:00 AM	Registration (on-site students) and ZOOM log in (online students)
9:00 – 10:00 AM	Measuring Muscle Mass and Strength Loss in Older Adults: Katarina Puš
10:00 – 10:15 AM	Coffee break
10:15 – 12:30 PM	Students' project presentations: Final presentation of refined projects and feedback from mentors
12:30 – 2:00 PM	Lunch break
2:00 – 2:30 PM	Closing & Farewell Ceremony: Summary of the week, awarding of certificates, and final remarks

List of mentors: Uroš Marušič, Manca Peskar, Rado Pišot, Tatjana Horvat, Eling De Bruin, Bart Roelands, Florian Giesche, Kevin de Pauw, Rok Koritnik, Saša Juretič, Sabina Posar, Jurij Dreo, Tisa Pavlovčič, Michael Schwenk, Dejan Georgiev, Katarina Puš.

** TBB summer school 1.0 is part of the TBrainBoost project (led by ZRS Koper; 9 partners; Grant agreement ID: 101120150, topic: HORIZON-WIDERA-2022-TALENTS-03-01 - Fostering balanced brain circulation – ERA Talents)*

