Sunday — 13.04.
Workshop day

9:30 - 10:30 Welcome Coffee and Registration

10:30 - 12:30 Workshop Session 1
(2 parallel workshops)
Real-time neuroergonomics
Let's go beyond EEG and see how multimodal recordings come to life
(Julian Reiser, Emma Lieker, Melanie Klapprott)
COST CA20124 Talk
Maximising impact of multidisciplinary research in early diagnosis of neonatal brain injury (AI-4-NICU)
(Robertas Alzbutas, Jovana Kljajic, Aynur Baghirova)

12:30 - 14:00 Lunch

14:00 - 16:00 Workshop Session 2
(2 parallel workshops)
Hyperscanning - Past and live
(Suzanne Dikker, Anne-Marie Brouwer, Mathias Vukelic, Ravi Kanth Kosuru)
Birds of a feather@MBTC3.0
(Makoto Miyakoshi)

16:00 - 16:30 Coffee Break

16:30 - 17:00 Posters Data Blitz

17:00 - 19:00 Conference opening

mbt Conference 3.0
Methods In Mobile EEG
13-15 April 2025
Belgrade

AI-4-NICU

Funded by the European Union

INTERNATIONAL BRAIN IBRO RESEARCH ORGANIZATION

cost EUROPEAN COOPERATION IN SCIENCE & TECHNOLOGY

Monday — 14.04.
Conference day

8:30 - 9:00 Welcome Coffee

9:00 -9:05 Day Overview

9:05 -9:15 **Žarko Martinović, MD, PhD, neuropsychiatrist and clinical neurophysiologist**
History of Electroencephalography in Serbia (1950-1976)

9:15 -10:00 **Keynote Talk – Anne-Marie Brouwer**
Inter-personal Co-variation in Physiological Signals

10:00 -11:00 Short Talks (Session chair: Anne-Marie Brouwer)

10:00 – 10:15 Capelli E.	Inter-neural co-regulation before and after an interactive perturbation in mother-infant dyads
10:15 – 10:30 Grasso-Cladera A.	Exploring Saccade-Onset Event-Related Potentials for Face Perception in the Real World
10:30 – 10:45 Griskova-Bulanova I.	EEG Microstate Analysis of Psychedelic Effects: Insights from Mobile EEG Studies on inhaled DMT and Psilocybin Microdosing
10:45 – 11:00 Parada F.	Presence in Memory: Exploring Real-World Brain/Body Dynamics During the Transmedia Exhibition 'Vestiges: Under-18 Victims of Forced Disappearance' Commemorating 50 Years of the Chilean Coup

11:00 - 11:30 Coffee Break

11:30 - 12:30 mbt workshop

12:30 - 14:00 Lunch

14:00 - 15:00 Short Talks (Session chair: Jyoti Mishra)

14:00 – 14:15 Kosuru R.	Towards Decoding Comfort Zones: Mobile EEG for Human-Robot Collaboration
14:15 – 14:30 Miscevic F.	A Novel Naturalistic Dual-Task Ear Training Paradigm with Real-time Gamified Neurofeedback for Cochlear Implant Users
14:30 – 14:45 Straetmans T.	Mobile Speech Tracking in Everyday Life with Ear-EEG
14:45 – 15:00 Lehmann T.	Assessing Perturbation-Evoked Potentials in Single-Joint Movements:

15:00 - 15:30 Coffee Break

15:30 - 16:15 **Keynote Talk - Jyoti Mishra**
Advancing Brain Health for Individuals & Communities with Mobile EEG

16:15 - 18:15 Posters Session

16:15 - 18:15 Parallel Session
COST CA20124 – Maximising impact of multidisciplinary research in early diagnosis of neonatal brain injury (AI-4-NICU)
MC meeting **(MC members only)**

20:00 Social Event

Tuesday — 15.04.
Conference day

8:30 - 9:00 Welcome Coffee

9:00 -9:15 Day Overview

9:15 -10:00 **Keynote Talk – Edmund Wascher**
Mobile EEG in Occupational Research

10:00 -11:00 Short Talks (Session chair: Edmund Wascher)

10:00 – 10:15 Vukelic M.	Balancing the Gamer's Load: Blink-Driven EEG for Neuroadaptive Frameworks
10:15 – 10:30 Raiscos-Salas J.	Action Words as a Paradigm for Motor Imagery BCI: An Ongoing Study for German Speakers
10:30 – 10:45 Reiser J.	Walking and Cognitive Load: Examining Neural and Behavioral Responses Using a Virtual Environment
10:45 – 11:00 Klapprott M.	Neurocognitive effects of Physical Exercise and the role of mobile EEG

11:00 - 11:30 Coffee Break

11:30 - 12:15 **Keynote Talk - Stephen Hall**
Brain rhythms in the control of movement: getting research off the bench and onto its feet

12:30 - 14:00 Lunch

14:00 - 14:45 **Keynote Talk - Makoto Miyakoshi**
The reason why ERP researchers should care for the thalamus: A lost message from the 60's

14:45 - 16:00 **COST CA20124** – Maximising impact of multidisciplinary research in early diagnosis of neonatal brain injury (AI-4-NICU) session

14:45 – 15:30 De Vos M.	AI for wearable EEG: the good, the bad and the beautiful
15:30 – 15:45 O'Toole J.	A new frontier in neonatal EEG: large-scale analysis with AI
15:45 – 16:00 Skoric T.	Machine Learning for Short-term Seizure Forecasting in Neonatal Intensive Care Unit

16:00 - 16:30 Coffee Break

16:30 - 18:00 Interactive Discussion

20:00 Social Event and Closing Ceremony