

Program of the workshop

“Embodied-Brain System Science and Robotics Engineering for Rehabilitation”

27th May 2016, DEI, Padova

9:00 – 9:05

Enrico PAGELLO – *Welcome address*

Dept. of Information Engineering, University of Padua, Padua

9:05 – 9:30

Jun OTA – *Embodied-brain Systems Science: Introduction and Overview*

Research into Artifacts, Center for Engineering (RACE), The University of Tokyo, Kashiwa, Tokyo

9:30 – 9:55

Alessandra BERTOLDO – *Quantifying brain activity*

FIAR – Functional and Anatomical Imaging Research Group, Dept. of Information Engineering, University of Padua, Padua

9:55 – 10:20

Arito YOZU – *Proposal of a new rehabilitation method for congenital insensitivity to pain, Dept. of Rehabilitation Medicine, Graduate School of Medicine, The University of Tokyo Hospital*

10:20 – 10:45

Luca TONIN – *Neural correlates of Intentional Non-Control during SMR driven BCI operations, IASlab – Intelligent Autonomous Systems Laboratory, Dept. of Information Engineering, University of Padua, Padua*

10:45 – 11:15 Coffee Break

11:15 – 11:40

Kazuhiko SEKI – *Restoring human hand function: Insights from neurophysiological study on non-human primates, Dept. of Neurophysiology, National Center of Neurology and Psychiatry, Kodaira, Tokyo*

11:40 – 12:05

Giulia CISOTTO – *EEG study on focal hand dystonia, Dept. of Information Engineering, University of Padua, Padua*

12:05 – 12:30

Tetsuro FUNATO – *Exploring the control mechanism of human and animal locomotion through experiment and modeling, Dept. of Mechanical Engineering and Intelligent Systems, The University of Electro-Communications, Chofu, Tokyo*

12:30 – 12:55

Roberto BORTOLETTO – *Musculoskeletal Modeling of the Human Lower Limb Stiffness for Robotic Applications, IASlab – Intelligent Autonomous Systems Laboratory, Dept. of Information Engineering, University of Padua, Padua*

Japanese Visitors' List affiliation:

- *Dr. Seki, Kazuhiro (National Center of Neurology and Psychiatry, neurophysiology)*
http://www.ncnp.go.jp/nin/guide/r_model/seki-e.html
- *Dr. Hanakawa, Takashi (National Center of Neurology and Psychiatry, neuroscience)*
https://scholar.google.co.jp/citations?user=zn_jDAsAAAAJ&hl=ja
- *Prof. Aoi, Shinya (Kyoto Univ, system engineering, robotics)*
http://space.kuaero.kyoto-u.ac.jp/wp-content/aoi/index_e.html
- *Dr. Yozu, Arito (The Univ. of Tokyo, rehabilitation medicine)*
<http://www.pubfacts.com/author/Arito+Yozu>
- *Dr. Oya, Tomonichi (National Center of Neurology and Psychiatry, neurophysiology)*
<https://scholar.google.co.jp/citations?user=UayBeOoAAAAJ&hl=ja>
- *Prof. Chiba, Ryosuke (Asahikawa Medical Univ, systems engineering, robotics)*
http://hyouka04.asahikawa-med.ac.jp/html/100000511_en.html
- *Prof. Funato, Tetsuro (The Univ. of Electro-Communications, systems engineering, biomechatronics)*
<http://researchmap.jp/7000003827/?lang=english>
- *Dr. An, Qi (The Univ of Tokyo, biomechatronics, robotics)*
http://www.robot.t.u-tokyo.ac.jp/~an/index_e.html
- *Prof. Ota, Jun (The University of Tokyo, systems engineering, robotics)*
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