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Greta Rinaldini

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EDUCATION AND TRAINING

[01/11/2024 – ongoing]

PhD Student in Automatic Control, Bioengineering and Operations Research (ABRO)

Sapienza University of Rome, Department of Computer, Control and Management Engineering

[26/09/2022 - 24/10/2024]

Master’s Degree in Biomedical Engineering

Sapienza University of Rome

Grade: 110/110 Cum Laude | **Thesis title**: “Development of a multidimensional alignment algorithm for multi-subject networks from EEG hyperscanning data”

[23/09/2019 - 11/07/2022]

Bachelor’s Degree in Clinical Engineering

Sapienza University of Rome

Grade: 110/110 Cum Laude | **Thesis title**: “Oscillatori sinusoidali”

[11/09/2014 - 09/07/2019]

High School Scientific Diploma

Liceo Scientifico Statale “Plinio Seniore”

Grade: 100/100 Cum Laude

LANGUAGES

Italian: mother tongue
English: B2 level
Spanish: A2 level

IT SKILLS

Microsoft Office Suite | Google Software | MATLAB | Python | COMSOL | Sim4Life | SimNIBS | LTspice

TECHNICAL SKILLS

Kinematic data recordings (Vicon system) | EEG: montage of the cap, acquisition of brain activity, analysis of brain signals (EEGLAB)

PUBLICATIONS

Multi-dimensional networks as a tool to model, analyze, and interpret multi-subject brain connectivity in hyperscanning settings

Citation: M. G. Puxeddu, G. Rinaldini, L. Astolfi, “Multi-dimensional networks as a tool to model, analyze, and interpret multi-subject brain connectivity in hyperscanning settings”, IEEE BIBM 2024, Lisbon, Portugal, Dec 3-6, 2024.

Multi-dimensional networks as a tool to quantify role imbalance in EEG-hyperscanning data

Citation: G. Rinaldini, M.G. Puxeddu, A. Ciaramidaro, P. Vogel, C. M. Freitag, M. Siniatchkin, J. Toppi, L. Astolfi, “Multi-dimensional networks as a tool to quantify role imbalance in EEG-hyperscanning data”, GNB 2025, Palermo, Italy, June 16-18, 2025.

Quantification of the spontaneous emergence of leader-follower dynamics in EEG hyperscanning data

Citation: G. Rinaldini, M.G. Puxeddu, A. Ciaramidaro, P. Vogel, C.M. Freitag, M. Siniatchkin, J. Toppi, L. Astolfi, “Quantification of the spontaneous emergence of leader-follower dynamics in EEG hyperscanning data”, IEEE EMBC 2025, Copenhagen, Denmark, July 14-17, 2025.

ACT2: Exploring kinematic profiles in autism

Citation: Ferrari, E.; Maronati, C.; Monti, M.; Ferrazzi, G.; Iarrobino, I.; Manuello, J.; Patarini, F.; Passeri, A.; Gambosi, B.; Trimarco, E.; Blandolino, G.; Buda, C.; Rinaldini, G.; Giuberti, V.; Iani, C.; Rubichi, S.; Toppi, J.; Astolfi, L.; Ciaramidaro, A.; Cavallo, A., “ACT2: Exploring kinematic profiles in autism”, 10th Joint Action Meeting, Torino, 2025.

CONFERENCES

[14/07/2025 - 17/07/2025] 47th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) Copenhagen, Denmark

[16/06/2025 - 18/06/2025] IX Congress of the National Group of Bioengineering (GNB) Palermo, Italy

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- al fine della pubblicazione -

Rome, 30/09/2025