



ALIREZA TALEBI

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PERSONAL INFORMATION

- Date of Birth: 05/01/1993 (Tehran, Iran)
- Nationality: Iranian
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EDUCATION

Neuroscience (PhD) | Sorbonne University (UPMC Campus)

2021 – ONGOING PARIS, FRANCE

Thesis: Development of clinical endpoints of daily-life activity for low vision patients to assess the effect of visual restoration

Bionics Engineering (M.Sc.) | University of Pisa and Scuola Superiore Sant'Anna

2016 – 2019 PISA, ITALY

Curriculum: Neural Engineering, GPA: 110/110 cum laude

Biomedical Engineering (B.Sc.) | Amirkabir University of Technology

2011 – 2015 TEHRAN, IRAN

Curriculum: Bioelectric, GPA: 16.94/20



EXPERIENCE

Doctoral Researcher | Streetlab (Paris, France)

MAY 2021 – ONGOING

Marie Curie Early Stage Researcher (ESR) of entrain VISION project (grant agreement No 861423)

Research Fellow | Centro Interdipartimentale di Ricerca "E. Piaggio" (Pisa, Italy)

MAY 2019 – OCT 2019

Project: Bivariate Modelling of the Brain-Heart Interaction in Emotional Elicitation.

Teaching Assistant | Amirkabir University of Technology (Tehran, Iran)

SEP 2014 – DEC 2014

Course: Fundamentals of Radiology & Radiotherapy (Medical Imaging)

Volunteer Research Assistant | Shahid Beheshti University (Tehran, Iran)

JAN 2014 – JAN 2015

Project: Finding the Effective Connections to Suppress Epileptic Synchronization Using the Kuramoto Model



SKILLS

- Language: Persian (Native), English (Fluent), French (Beginner)
- Computer: Data mining, Machine learning (Neural networks, recurrent neural networks, fuzzy logic, etc.), WEKA, ANSYS, MATLAB, GNU Octave, Kubios, LabVIEW, Python, LaTeX.
- Fabrication techniques: lithography, soft lithography, 3D printing.
- Electronics: Microcontroller programming, circuit design and assembly.
- Others: Physiological signal processing (EEG, EDA, HRV, etc.), familiar with medical imaging techniques (MRI and fMRI, PET, CT-Scan).



ACTIVITIES

1. V. Catrambone, **A. Talebi**, R. Barbieri and G. Valenza, "Time-resolved Brain-to-Heart Probabilistic Information Transfer Estimation Using Inhomogeneous Point-Process Models", IEEE Transactions on Biomedical Engineering ,2021. DOI: 10.1109/TBME.2021.3071348
2. **A. Talebi**, V. Catrambone, R. Barbieri and G. Valenza, "An Inhomogeneous Point Process Model for the Assessment of the Brain-to-Heart Functional Interplay: a Pilot Study", 42nd Annual International Conferences of the IEEE Engineering in Medicine and Biology Society in conjunction with the 43rd Annual Conference of the Canadian Medical and Biological Engineering Society, Montréal, Québec, Canada, 2020. DOI:10.1109/EMBC44109.2020.9175750
3. Fereidouni, Shahin; Sheikh Hassani, Mohsen; **Talebi, Alireza** and Rezaie, Amir Hossein "A novel design and implementation of wheelchair navigation system using Leap Motion sensor", Journal of Disability and Rehabilitation: Assistive Technology (IJDTR), 2020. DOI: 10.1080/17483107.2020.1786734