

Mattia Nese

Psychologist

Email: m.nese@milano-sfu.it

I am a psychologist working in the field of psychophysiology at the Sigmund Freud University in Milan. The research methods I have been using in the last years include behavioural testing, electroencephalography (EEG), event-related potentials (ERP), heart rate variability (HRV), electrodermal activity (EDA), and eye tracking. I have a background in environmental psychology and psychoacoustics. Recently I have been developing a strong interest in the implementation of new technologies for the cognitive and affective assessment in psychopathology. This includes the design of digital instruments (such as mobile applications) and virtual reality immersive experiences.

EXPERIENCE

Current	LECTURER IN PSYCHOLOGY Sigmund Freud University, Milan
Current	RESEARCH CONSULTANT Project: Circular Learning HUB – Multisensory virtual reality against climate change: investors' attitudes and decision making processes. <i>Multisensory Virtual Reality, behavioural finance, computerized testing using Opensesame, electrodermal activity analysis.</i>
07.2017 07.2016	PSYCHOLOGIST Laura Coop. Soc., Faenza. <i>Psychological assessment, clinical interviews, psychosocial rehabilitation for psychosis.</i>

EDUCATION

Current	POST GRADUATE SCHOOL OF PSYCHOTHERAPY Studi Cognitivi, Milan
10.2020 11.2017	PHD IN PSYCHOLOGY University of Bologna Advisor: Pr. Marco Costa

Dissertation title: "Musical tension in harmonic intervals: behavioral and EEG correlates."

09.2019 – 03.2020. Visiting student at the Geneva's School of Health Sciences. Advisor: Pr. Clara James.

EEG recording and preprocessing using Matlab and Cartool, ERP analysis, behavioural testing using E-prime, sound designing using cSound, electromyography, Matlab coding, statistical analysis, manuscript writing.

06.2014
10.2012 MASTER IN COGNITIVE PSYCHOLOGY

University of Bologna

Advisor: Pr. Gianni Brighetti

Dissertation title: "Spontaneous gamma activity in the EEG of patients with substance use disorder."

09.2013 - 02.2014. Erasmus programme at the University of Groningen.

EEG recording and preprocessing, qEEG spectral analysis using EEGLAB, Electrodermal activity recording and analysis, statistical analysis.

06.2012
10.2009 BACHELOR IN PSYCHOLOGY

University of Bologna

Advisor: Pr. Marco Costa

Dissertation title: "Crossmodal priming in the perception of auditory pitch and spatial height."

Psychophysics, psychoacoustics, computerized behavioural testing using E-prime.

PEER-REVIEWED PUBLICATIONS

Nese, M., Riboli, G., Brighetti, G., Sassi, V., Camela, E., Caselli, G., Sassaroli, S., & Borlimi, R. (2020). [Delay discounting of compliance with containment measures during the COVID-19 outbreak: a survey of the Italian population](#). *Journal of public health (Berl.)*, 1–9.

Costa, M., & **Nese, M.** (2020). [Perceived Tension, Movement, and Pleasantness in Harmonic Musical Intervals and Noises](#). *Music Perception*, 37(4), 298-322.

Costa, M., Bichicchi, A., **Nese, M.**, Lantieri, C., Vignali, V., & Simone, A. (2019). [T-junction priority scheme and road user's yielding behavior](#). *Transportation research part F: traffic psychology and behaviour*, 60, 770-782.

Costa, M., Frumento, S., **Nese, M.**, & Predieri, I. (2018). [Interior color and psychological functioning in a university residence hall](#). *Frontiers in psychology*, 9, 1580.