

Federico Zilio

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Federico Zilio is **Assistant Professor in Moral Philosophy** at the FISPPA Department (Philosophy, Sociology, Education and Applied Psychology) of the University of Padova (Italy).

He was a **visiting scholar at the University of Ottawa** (Canada), at the Mind, Brain Imaging and Neuroethics Research Unit of the Royal's Institute of Mental Health Research, under the supervision of Prof. Northoff, with whom he has been collaborating since 2018.

He is a **member of the International Neuroethics Society (INS)**, the **Italian Society for Moral Philosophy (SIFM)**, and **Secretary of the Italian Society for Neuroethics and Philosophy of Neuroscience (SINe)**. He is a **member of the Ethics Committee for Care and Good Personal Assistance** at the OPSA in Sarameola di Rubano (PD).

His research activities are mainly in the field of **neuroethics of consciousness and neurotechnology**. Books: *Persone oltre la mente. Neuroetica dei disordini della coscienza* (2024); *Consciousness and World. A Neurophilosophical and Neuroethical Account* (2020).

Position

06/02/2025 – **Assistant Professor** (Ricercatore a tempo determinato Tenure-Track).
present Moral Philosophy

Previous Positions

01/01/2022 – **Research fellow** (Ricercatore a tempo determinato di tipo a).
31/12/2024 PON Project – Research and Innovation: “Brain-Computer Interface and Ethics: Communication, Health and Neuroprivacy”.

15/05/2020 – **Post-doctoral researcher**
31/12/2021 PRIN project: “New Challenges for Applied Ethics. The moral impact of scientific and technological advances”. University of Padua - Department of Philosophy, Sociology, Pedagogy and Applied Psychology.

Publications (selection)

2024 *Persone oltre la mente. Neuroetica dei disordini della coscienza*, Orthotes, Napoli, ISBN: 978-88-9314-448-3, pp. 326.

2024 *La neuroetica alle prese con l'intelligenza artificiale*, in G. Sandrini, G. Gamaleri, W. Minella, D. Centonze, P. Mazzarello (a cura di), *Comunicare il vero e il falso. La comunicazione oggi tra mondo digitale, etica e neuroscienze*, Mimesis, Milano-Udine, pp. 215-235, ISBN: 9791222308609

2024 Northoff, G., **Zilio, F.**, Zhang, J.
Beyond task response—Pre-stimulus activity modulates contents of consciousness, in “Physics of Life Reviews”, 49, pp. 19-37.
<https://doi.org/10.1016/j.pprev.2024.03.002>.

2023 **Zilio, F.**, Gomez-Pilar, J., Chaudhary, ..., Northoff, G.
Altered brain dynamics index levels of arousal in complete locked-in syndrome, in “Nature Communications Biology”, 6, pp. 1–19.
<https://doi.org/10.1038/s42003-023-05109-1>.

2023 **Zilio, F.**, Lavazza, A.
Consciousness in a Rotor? Science and Ethics of Potentially Conscious Human Cerebral Organoids, in “AJOB Neuroscience”, 14(2), pp. 178-196,
<https://doi.org/10.1080/21507740.2023.2173329>.

- 2022 Northoff, G., **Zilio, F.**,
Temporo-spatial Theory of Consciousness (TTC) – Bridging the gap of neuronal activity and phenomenal states, in “Behavioural Brain Research”, vol. 424, issue 3: 113788, doi: <https://doi.org/10.1016/j.bbr.2022.113788>.
- 2022 *Tough Decisions in Unclear Situations. Dealing with Epistemic and Ethical Uncertainty in Disorders of Consciousness*, in “Teoria. Rivista di Filosofia”, Vol. 42(2), pp. 67-80, <https://doi.org/10.4454/teoria.v42i2.157>.
- 2021 **Zilio, F.**, Gomez-Pilar, J., Cao, S., ..., Northoff, G.
Are intrinsic neural timescales related to sensory processing? Evidence from abnormal behavioral states, in “NeuroImage”, 226, 117579, <https://doi.org/10.1016/j.neuroimage.2020.117579>.
- 2020 *Consciousness and World. A Neurophilosophical and Neuroethical Account* (pref. di Georg Northoff), Edizioni ETS, Pisa, ISBN: 978-88-4675-951-1, pp. 384.
- 2020 *Extended mind and the brain-computer interface. A pluralist approach to the human-computer integration*, in “Rivista Internazionale di Filosofia e Psicologia”, 11(2), pp. 169-189, <https://doi.org/10.4453/rifp.2020.0011>.

I am aware that false statements are subject to the penalties provided for by art. 76 of Presidential Decree 445/2000. I declare that the information reported in this curriculum vitae is true and correct.

I authorize the processing of personal data contained in my curriculum vitae in accordance with the Italian Legislative Decree no. 196 dated 30/06/2003 and art. 13 GDPR (EU Regulation 2016/679).

Padova, March 22nd 2025

Dr. Federico Zilio

