



MILENA ČUKIĆ RADENKOVIĆ

Engineer turned Neuroscientist at the crossroads of Healthcare Innovations, Complex systems dynamics, Electrodynamics and Data-driven Computational Psychiatry

PROFILE

I am a highly driven and experienced **researcher, innovator** and **lecturer** in biomedical science. I am a Master **engineer** of biomedical electronics, measurement and control with PhD in **neuroscience**.

CONTACT

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WEBSITE:

<https://3ega.nl/en>

<https://milenacukic.pro>

<https://loop.frontiersin.org/people/821493/overview>

<https://www.researchgate.net/profile/Milena-Cukic>

<https://scholar.google.co.in/citations?user=lOx7hpQAAAAJ&hl=en>

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LINKEDIN

<https://www.linkedin.com/in/milena-cukic-985987b/?originalSubdomain=nl>

SKILLS

Physiological complexity
Computational Neuroscience
Machine learning
Depression detection
Biophysics & Neurophysiology
Bioinformatics
Medical devices
Project Management
Time management

LANGUAGES

Serbian/Croatian native speaker
English Highly Proficient
Dutch B1
Italian A2
Spanish basic
German basic
Slovenian basic

WORK EXPERIENCE

Empa Material Science and Technology Present
Scientist/Biomimetic Membranes and Textiles

3EGA B.V. Amsterdam, Founder & CEO 2017~2022
R&D nonlinear biomarkers for depression detection/AppaaS&Dev

University Complutense, Instituto de tecnología del conocimiento, Madrid, Spain. Postdoc Researcher 2018~2022
Data-driven Computational Psychiatry, Nonlinear dynamical analysis

HTEC Humeds Partner & Representative for Netherlands 2018-2019
Portable ECG monitoring devices Cardea3

University of Belgrade, School of Biology 2008-2015
Lecturer (Docent/Assistant Professor) on undergraduate, Master and PhD studies, and visiting **SISSA Trieste, University Padua (PNC), Technische Universiteit Wien** and **Aalto University, Finland**

INTERNSHIPS

Institute for Medical Research, Clinical Center of Serbia 2006~2008
Researcher in Neurophysiology Lab

Institute for Multidisciplinary Study, University of Belgrade 2003~2006
PhD Student researcher at Life sciences dept.

EXTRA-CURRICULAR ACTIVITIES

European Medical Agency, Amsterdam 2019~2021
Registered Evaluator for European Commissions Projects
Frontiers Digital Health (also IJNS, JMIR, MDPI, BBD) 2019~present
Associate Editor and Review Editor

EDUCATION

UMC VU Amsterdam, Neurophysiology Dpt. 2015
Guest Postdoc, Brain connectivity, Machine learning applications

School of Biology, Belgrade University 2006-2011
PhD. Title ['Application of linear and nonlinear methods of analysis on physiological parameters of surface electromyogram TMS-induced']

School of Biology, Belgrade University 2003-2006
Magister of Biology science, General physiology with biophysics [TMS]

School of Electronics (ETF), Belgrade University 2000
MSc and BSc in Biomedical engineering (Functional Electrical stimulation for spinal cord injuries patients)

Referees

Professor Juan Pavón Mestras, Complutense University of Madrid, Spain;

Full Professor of Software Engineering methods and Artificial Intelligence and

Director of Instituto de Tecnología del Conocimiento, Universidad Complutense de Madrid

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Professor Dr. Floortje Scheepers,

Hoogleraar innovatie bij UMC Utrecht

Professor of Innovations in Mental Health (UMC Utrecht, Psychiatry Dept.)

f.e.scheepers-2@umcutrecht.nl

Tel: +31887556025

Professor Dr. Phillipe Delespaul, full professor in Innovation in Mental Health Care at the University of Maastricht (Department of Psychiatry and Neuropsychology).

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For further more detailed Working experience and details on my education, please visit milencacukic.pro

For further List of publications please see ORCHID, Research Gate, Google scholar or LOOP profiles, links provided above.

Supervision experience

Doctoral Students: Dr. Miodrag Stokić (Belgrade University, Serbia), Tuomas Mutanen (Aalto, Helsinki, Finland), Axel Junestrand, Pabel Llamoca, Dr. Diego Urgeles Pertolas (Universidad Complutense, Madrid, Spain), Anica Milovanović (University of Novi Sad, Serbia), Dr. Laura Paške (Tallinn Technical University, Estonia/ April 23, 2021).

Guest Associate Editor in Mental Digital Health and Review editor in Frontiers Digital Health (seven reviews in 2020, nine in 2021/8 published, eight in 2022), MDPI Applied Sciences, Sensors and Neurosciences (5 reviews in 2020, 3 in 2021 Publons, two in 2022), Nature Digital Health (2), JMIR (2 reviews in 2020), IJNS (two reviews in 2020), Computers in Biology and Medicine (2 reviews in 2020, 2 in 2021, one in 2022), Biocybernetics and Biomedical engineering (2 in 2021), Board member in Applied Soft Computing and occasional reviewer in several other multidisciplinary international Journals like PlosOne etc.

Grant acquisition

ERA PerMed DEPRECARD Consortium 2022

RISEWISE Project H2020-MSCA-RISE-2015-690874 (2016-2020)

EIT Health, Headstart, 3EGA. 2019.

Zorginnovatie Prijs, 3EGA Finalist, 2019.

Co-investigator on a Project 'Cortical Plasticity in Multiple Sclerosis Examined by TMS-EEG Paradigm'. 2015-19

Diatomic Fund Fs6, 2018.

AHTI HealthInc, Gemeente Amsterdam, 2017-18.

Big4Cast. Universidad Complutense Madrid, Spain, 2016/18.

Lise Meitner Fund, Technische Universiteit Wien, 2013.

Agency for Reconstruction (EC) in Serbia and World Bank (grant for refurbishing Neuroimmunology Lab), 2013.

Research Project No 43011, School of Electronics, University of Nis, Serbia, under Serbian Ministry of Science (2011-2015)

FENS training stay at SISSA Trieste, Italy, 2009.

APPENDIX 2/Working experience

Institute for Mental Health in Belgrade	2020-2021
Tallinn Technology University, Estonia	2019-2021
Mentoring Laura Paëske, doctoral student/Thesis defended on 23 March 2021.	
UMC Utrecht, Psychiatry department	2019
External collaborator on Pilot project (depression detection from electrophysiological signals) on UMC Utrecht Psychiatry Department (Prof. Floortje Scheepers), External expert for analysis of signals in electrocardiology on H2020 project on UMC Utrecht, Cardiology department	
Instituto de Tecnología del Conocimiento, Universidad Complutense de Madrid, Spain (RISEWISE Project H2020-MSCA-RISE-2015-690874).	2019-2021
Founder and CEO at 3EGA Decision Support Solutions	2017-2022
(Now 3EGA B.V.), Amsterdam, HealthInc;	
Neurophysiology Department, Al Ain University, UAE.	2015-2019
Co-investigator on a Project 'Cortical Plasticity in Multiple Sclerosis Examined by TMS-EEG Paradigm'.	
Complutense University Madrid	2016-2019
External Collaborator for analysis of signals on Universidad Complutense de Madrid (BIP4CAST Project, RISEWISE Project H2020-MSCA-RISE-2015-690874 and Ass. Professor at UCM in 2019), Spain; School of Medicine, Neurophysiology Department, Al Ain University, UAE, Institute for Mental Health Belgrade, Serbia (External Expert in Electromagnetic stimulation of the brain, TMS and tDCS) and Institute for Pathology of Speech and experimental phonetics, Belgrade, Serbia (University of Belgrade).	
Amsterdam Health and Technology Center (HealthInc)	2017/18
Lean startup acceleration program and launch	
Institute for Mental Health in Belgrade	2015-2017
External expert for analysis of electrophysiological data for Institute for mental health in Belgrade, and for Institute for pathology of speech and experimental phonetics in Belgrade, Serbia, as well as for Universidad Complutense, Madrid, Spain and Cognitive Neuroscience Section, IRCCS Centro San Giovanni di Dio Fatebenefratelli, Brescia, Italy. Also visiting Postdoc researcher at Amsterdam UMC, Clinical Neurophysiology dpt., Vrije Universitet van Amsterdam (in 2015).	
High Medical school Belgrade	2012-2015
Professor of physics on High Medical school Belgrade; Ph.D. Mentor on School of Biology, Department of Physiology with Biophysics, University of Belgrade, Serbia; Invited Lecturer on Università degli Studi di Padova, Department of Neuroscience, Visiting researcher in laboratory of Neurophysiology Fatebenefratelli, University of Brescia, Italy.	
Technical University Wien, Austria (Lise Meitner Fund)	2013-2014
Visiting Postdoc researcher and Lecturer on Technische University Wien, Austria.	
Biomedical Center Torlak Institute, Belgrade, Serbia	2012-2015
Postdoc Research Fellow in neuroimmunology and cancer research (Institute for virology, vaccine and sera), Belgrade, Serbia.	
Department of Physiology and Biophysics, University of Belgrade	2011-2015
Lecturer (Docent and later Assistant Professor) in Department of Physiology and Biophysics, University of Belgrade (Ph.D. studies, Bioinformatics and Analysis of electrophysiological signals, also mentoring PhD students), Belgrade, Serbia. NIBS basics for students of Psychology (both Belgrade and Novi Sad University)	
Guest Lecturer at Padova Neuroscience Center, University of Padua, Italy	2014-2015
Guest Lecturer at Aalto University, Helsinki, Finland	2012
School of Electronic, University of Nis, Serbia	2011-2015

Researcher on Project No 43011, School of Electronic, University of Nis, Serbia, under Serbian Ministry of Science and a member of expert team for new Standards for learning programme of Physics in Serbian secondary schools, under Serbian Ministry of Education together with Bureau for evaluation of quality of education (Project funded by EU and implemented partially with IBF).

High School of Electronics and Computing sciences, Belgrade, Serbia

2010-2012

Lecturer on High School of Electronics and Computing sciences, Belgrade, Serbia (subjects: Biomedical devices, Analysis of signals and Digital processing of audio and video signals).

Cognitive Neuroscience Laboratory in SISSA Trieste

2009

Researcher in Cognitive Neuroscience Laboratory in SISSA Trieste, Italy as NENS stipendist, and visiting researcher on Clinica Fatebenefratelli, Brescia, Italy.

School of Biology, University of Belgrade, Serbia

2006- 2008

Assistant Lecturer on undergraduate and Ph.D. programs in School of Biology, University of Belgrade, Serbia (subjects: Analysis of electrophysiological signals and Neuroinformatics).

High School of Electronics 'Rade Končar', Belgrade, Serbia

2004-2010

Professor of Electronics, High School of Electronics 'Rade Končar', Belgrade, Serbia (subjects: Analog electronics, Digital electronics, Biomedical devices, Measurements in electronics).

Multidisciplinary Study Center in Belgrade, Serbia

2006

External Researcher in Multidisciplinary Study Center in Belgrade, Serbia.

Institute for Medical Research Clinical Center of Serbia, Belgrade, Serbia.

2003-2006

Researcher in Institute for Medical Research (Neurophysiology lab.), Clinical Center of Serbia, Belgrade, Serbia.