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Personal information

Surname(s) / First name(s)	**Mladenović Jelena**
Address(es)	15 rue Eugene Delacroix, 17000 La Rochelle, France
Telephone(s)	+33(0)782723886
Email(s)	`jelena.mladenovic@inria.fr`, **website** *http://jmladeno.net*
Nationality(-ies)	Serbian and Canadian
Date of birth	Oct 3 1990

Education and training

Current status	PhD in Computer Science
Subject of research	*Computational Modeling of User States and Skills to Optimize BCI Training Tasks*
Place and Date	Potioc, Inria Bordeaux/LaBRI/CNRS and DyCog, Lyon Neuroscience Research Center/Inserm, France; (financed by BCI-Lift), Jan 2016 - Sept 2019
Status	Research Fellow invited by prof. Dr Doron Friedman
Subject of research	*Evaluating bio-markers of stress and phobias using Virtual Reality*
Place and Date	Advanced Reality Lab, IDC Tel Aviv, Israel; (financed by Joy Ventures) Sept 2017 - April 2018
Status	Internship with Dr. Theodore Papadopoulos and Dr. Maureen Clerc
Subject of research	*Jitter Adaptive Dictionary Learning for multi-channel EEG data*
Place and Date	Inria Sophia-Antipolis, April-August, 2015
Grant/Scholarship	**BASILEUS V** - European master scholarship (12 months)
Place and Date	Sophia Antipolis University in Nice, France; 2014 – 2015
Title of qualification awarded	MSc in Computational Biology and Bio-Medicine (September 2015)
Grant/Scholarship	**EUROWEB**-EU exchange scholarship for western Balkans
Place and Date	Artificial Intelligence, Computer Science Department, Vrije University of Amsterdam, the Netherlands; 2012 – 2013
Place and Date	Belgrade University, Faculty of Mathematics; 2009 – 2014
Title of qualification awarded	BSc in Computer Science
Place and Date	Belgrade "Third Grammar School" (2005–2009) and Music high-school "Kosta Manojlovic" (2006–2010) with music primary school (2000-2006)
Title of qualification awarded	Grammar school diploma with a B2 certificate of French; and in parallel Music high-school diploma for a music producer

For more information feel free to contact me by email: *jelena.mladenovic@inria.fr* or check my website: *http://jmladeno.net*

Language(s)	Serbian, English, French (fluent); Spanish, Chinese (basic)
Social, organizational skills and competences	2019, Organizing conference workshops for Cortico / JJ-ICON, Lille
	2018, Workshop co-organizer: VR/AR in BCI, at BCI Meeting Asilomar USA
	Feb 2014, Organizing a celebration of the Chinese new year in Belgrade, Serbia
	2013 and 2014, creating documentaries and music workshops for the Youth in Action program, Mardin Turkey
	2013 - producing, editing, realising a film for Interactive Multimedia, Amsterdam
	2012, supporting orphanage (organizing aid) through a documentary in Belgrade, Serbia
Computer, engineering skills and competences	LSL, Git, 3D printing and Laser cutting (Oneshape, Inkscape); Electronics (PCB - KiCad, soldering, Arduino) building own physiological sensors (breathing belt, piezzo), and integrating/using existing ones e.g. openBCI, g.tec and brainProduct; Machine Learning (LDA, SVM), optimization (Evolutionary/Genetic Algorithm, VNS, Local Search etc.)
Programming skills	C, compilation (yacc, lex), C#, Java (Swing, JOGL, JDBC, Jfugue), 3D / VR (Unity, OpenGL, CUDA), signal processing Matlab (EEGlab, BioSig, Ledalab), Python (Pandas, scikit-learn, MNE), R (statistics, elastic-net predictions (linear regressions) with glmnet.Utils etc.)
Artistic skills and other competences	Clay sculpting, oil painting, drawing portraits; piano playing (1998 - 2010) and jazz singing, composing and music production (2006-2010); filming and editing, since my first camera – 2002, acting, screen writing and producing films/documentaries (since 2012), with voluntary work
Awards	finalist Thesis award Complex Systems, Paris 2020
	Laureate of Sephora Berebi - Women in Science (2019)
	Student Award (UbiComp conference, Singapore) (2018)
	Student Award (Asilomar BCI Meeting, California) (2018)
	Student Travel Award (Graz BCI Conference, Austria) (2017)
	Basileus V scholarship to study in Nice, Sophia Antipolis (2014 – 2015)
	EuroWeb scholarship to study in Amsterdam, Vrije University (2012 – 2013)
Invited Talks	Seminar in Computational Neuroscience, *Active Inference in a P300 BCI*, Bordeaux, 2019;
	Workshop on Intelligent User Interfaces: Eye Tracking and Beyond Haifa, Israel, 2018;
	BCI conference: Towards real world applications IDC Herzlyia, Israel, 2018
	2nd NExT Neurofeedback, *Flow in BCI training*, Paris, 2017
Scientific Outreach	Student PhD Seminary, Bordeaux University (2018)
	CogTalk, Flow state in BCIs, in Bordeaux University (2018)
	Fête de la science (2 days), Teegi démo, Paris 2017
	Fête de la science (2 days), controlling game Tux BCI, Bordeaux 2017
Reviews	NeuroSci 2021;
	Journal of Neural Eng 2020;
	CHI 2018, 2019, 2020;
	PlosOne 2018;
	IEEE Signal Processing Letters 2018, etc.

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Tutoring Interns	2019, Smeety Pramij, Inria Bordeaux, learning about BCIs, conducting rigorous experiments etc; resulting in a paper in IEEE Trans BioMed Eng (Submitted)
	2018, Emmanuel Christophe from Prism team, Marseilles CNRS, developing congruent BCI auditory feedback, learning how to use openVibe, Ganglion openBCI, pureData, analyze EEG signals, conduct experiments etc.; Resulting in a BCI Meeting conference paper, USA 2018
	2016, Manon-Bonnet Save, Inria Bordeaux, conducting experiments, learning about EEG signal processing and openVibe, and recruiting participants etc; Resulting in a Graz BCI conference paper in 2016.
Publications	(2021) J. Mladenović Standardization of protocol design for user training in EEG-based BCI, Journal of Neural Eng. 18 (1), 011003
	(2021) Long-term BCI training of a Tetraplegic User: Adaptive Riemannian Classifiers and User Training. C Benaroch, ... J Mladenovic. Frontiers in Human Neuroscience 15, 118
	(2020) A review of user training methods in brain computer interfaces based on mental tasks A Roc, L Pillette, J Mladenovic, ..., F Lotte Journal of Neural Engineering
	(2020) J. Mladenović et al. Biased feedback influences learning of Motor Imagery BCI, International BCI Meeting
	(2019) J. Mladenović et al. Active Inference as a Unifying, Generic and Adaptive Framework for P300-based BCI, Journal of Neural Engineering 17 (1), 016054
	(2019) J-M Batail,.. J Mladenovic,.. F Vialatte, EEG neurofeedback research: A fertile ground for psychiatry? L'Encephale
	(2018) F. Lotte, C. Jeunet, J. Mladenovic, B. N'Kaoua, L. Pillette, IET Book 'Signal Processing and Machine Learning for Brain-Machine Interfaces', Chapter 6: A BCI challenge for the signal processing community: considering the human in the loop"
	(2018) J. Mladenović et al. Dishimo: Anchoring Our Breath, CHI '18 Interactivity - SIGCHI Conference on Human Factors in Computing System, Apr 2018, Montreal, Canada
	(2018) Jelena Mladenović, Considering Gut Biofeedback for Emotion Regulation, UERMMI – UbiComp/ISWC'18 Adjunct, Oct 2018, Singapore
	(2018) J. Mladenovic, J. Frey, E. Cristophe, J Micoulaud, R.Kronland, M. Aramaki. Towards Congruent BCI Feedback, Poster at JJC-ICON 2018
	(2018) J. Mladenovic , J. Frey , E. Maby , M. Joffily , F. Lotte , Dr. J. Mattout. Active Inference for Adaptive BCI : An application to the P300 Speller Poster at BCI Meeting, Asilomar, USA
	(2018) E. Christophe, J. Frey, R. Kronland, J. Micoulaud, J. Mladenovic, G. Mougin, J. Vion, S. Ystad, M. Aramaki. Evaluation of a Congruent Auditory Feedback for Motor Imagery BCI, Poster at BCI Meeting, Asilomar, USA
	(2017) J. Mladenovic, M. Joffily, J. Frey, F. Lotte, J. Mattout. Endowing The Machine With Active Inference: A generic Framework to Implement Adaptive BCI, Oral Presentation, NaT Conference, Berlin
	(2017) J. Mladenović, J. Mattout, and F. Lotte, Brain-Computer Interfaces Handbook: Technological and Theoretical Advances, Chapter 33: A generic framework for adaptive EEG-based BCI training and operation
	(2017) J. Mladenović, J. Frey, M. Bonet-Save, J. Mattout and F. Lotte, The Impact of Flow in an EEG-based Brain Computer Interface, Graz BCI Conference
	(2017) J. Frey, C. Jeunet, J. Mladenovic, L. Pillette, F. Lotte. "When HCI Meets Neurotechnologies: What You Should Know about Brain-Computer Interfaces", Course at ACM CHI Denver, USA
	(2017) J. Mladenovic. Poster at JJC-ICON in Bordeaux "Exploring adaptive BCI methods to favour user learning and flow state"
	(2016) A Mjirda, B Jarboui, J Mladenović, C Wilbaut, and S Hanafi. "A General Variable Neighbourhood Search for the Multy-Product Inventory Routing Problem", IMA Journal of Management Mathematics