






PERSONAL INFORMATION

Laura Marzetti



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Sex Female | Date of birth 11/10/1973 | Nationality Italian

WORK EXPERIENCE

- 17/06/2018 - present **Associate Professor in Applied Physics**  
 "G. d'Annunzio" University of Chieti-Pescara (UdA) – Chieti – Italy, Dept. of Neuroscience, Imaging and Clinical Sciences (DNISC)
- 04/05/2017 - present **Head of the "Methods and Models for Brain Oscillations - MAMBO" laboratory**  
 "G. d'Annunzio" University of Chieti-Pescara (UdA) – Chieti – Italy, Institute for Advanced Biomedical Technologies (ITAB)
- 17/06/2015 - 16/06/2018 **Assistant Professor in Applied Physics (tenure-track)**  
 "G. d'Annunzio" University of Chieti-Pescara (UdA) – Chieti – Italy, Dept. of Neuroscience, Imaging and Clinical Sciences
- 01/01/2011 - 16/06/2015 **Assistant Professor in Applied Physics**  
 "G. d'Annunzio" University of Chieti-Pescara (UdA) – Chieti – Italy, Dept. of Neuroscience, Imaging and Clinical Sciences
- 01/11/2007 - 31/12/2010 **Post Doctoral Student**  
 "G. d'Annunzio" University of Chieti-Pescara (UdA) – Chieti – Italy, Dept. of Neuroscience, Imaging and Clinical Sciences
- 01/06/2007 - 31/08/2007 **Visiting Student**  
 Fraunhofer FIRST Institute – Berlin – Germany, IDA - Intelligent Data Analysis group (Head: Prof. KR Mueller)
- 01/11/2004 - 31/10/2007 **PhD training in "Functional Neuroimaging: from cells to systems"**  
 "G. d'Annunzio" University of Chieti-Pescara (UdA) – Chieti – Italy, Dept. of Clinical Sciences and Bioimaging
- 16/09/2002 - 31/07/2004 **Research Associate**  
 Universitaet Ulm - Ulm - Germany, Zentralinstitut fuer Biomedizinische Technik, Arbetisbereich Biosignal- und Bildgebungstechnologie, ZIBMT
- 08/03/2001 - 15/09/2002 **Software developer**  
 Advanced Technologies Biomagnetics srl – Pescara - Italy

CARRIER BREAKS

- 02/09/2008 - 02/02/2009 **Maternity leave**

EDUCATION AND TRAINING

- 12/09/2018-12/09/2024 **National Scientific Qualification for the role of Full Professor in Applied Physics (02/D1)**  
 Italian Ministry of Education, Universities and Research (MIUR)
- 01/04/2008 **PhD degree in "Functional Neuroimaging: from cells to systems"**

“G. d’Annunzio” University of Chieti-Pescara (UdA) – Chieti – Italy, Dept. of Clinical Sciences and Bioimaging

23/03/2000 **Master’s degree in Electronic Engineering with specialization in Biomedical Engineering**

“University of Ancona - Ancona, Italy

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1/C2	C1/C2	C1/C2	C1/C2	C1/C2
Replace with name of language certificate. Enter level if known.					
German	A1/A2	A1/A2	A1/A2	A1/A2	A1/A2
Replace with name of language certificate. Enter level if known.					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)

**Communication skills**

- excellent communication skills gained through my experience in scientific conferences and cooperative international projects
- proficient disseminator in scientific conference and educational activities

**Organisational / managerial skills**

- leadership (currently responsible for a team of 6 people at the University of Chieti-Pescara)
- managerial skills (currently responsible for managing and coordinating the activities of the "Methods" group, about 20 people, in the H2020- ERC-2018-SyG - Grant Agreement number: 810377)
- department responsible person for managing and monitoring Research activities

**Job-related skills**

- proficient knowledge of data analysis methods and models for dynamical systems
- department responsible person for QA assessment of Research activities

Digital skills					SELF-ASSESSMENT				
Information processing		Communication		Content creation		Safety		Problem solving	
Independent User		Proficient User		Independent User		Independent User		Proficient User	

Levels: Basic user - Independent user - Proficient user  
[Digital competences - Self-assessment grid](#)

Replace with name of ICT-certificates

- very good command of office suite (word processor, spread sheet, presentation software)
- good command of Digital Platforms for Remote Teaching

ADDITIONAL INFORMATION

Publications	<ul style="list-style-type: none"> <li>My present research interests cover the development of methods and models for the characterization of rich and complex human brain signals. Currently, the main focus is on the brain electromagnetic field propagation as described from electroencephalography and magnetoencephalography as well as on the integration of these information with Diffusion Tensor Imaging from Magnetic Resonance for applications in real-time through feedback-controlled approaches. I authored more than 50 peer-reviewed publications and 2 book chapters, with over 1500 citations and h-index equal to 17 (Scopus). Full list of publications at <a href="https://www.ncbi.nlm.nih.gov/sites/myncbi/1FqSc14T-5Z5L/bibliography/44605801/public/?sort=date&amp;direction=descending">https://www.ncbi.nlm.nih.gov/sites/myncbi/1FqSc14T-5Z5L/bibliography/44605801/public/?sort=date&amp;direction=descending</a></li> </ul>
Invited Presentations (last 5 years)	<ul style="list-style-type: none"> <li>2020 INDAM (National Institute for High Mathematics) workshop 2020 - postponed to 2021</li> <li>2018 Society for Industrial and Applied Mathematics, Conference on IMAGING SCIENCE, Bologna, Italy</li> <li>2018 Combined Annual Meeting of the Finnish Society for Medical Physics and Medical Engineering and BIOMEPP doctoral programme, Kuopio, Finland</li> <li>2017 Interdisciplinary Workshop Coupling and Causality in Complex Systems - Cologne, Germany</li> <li>2017 5th International Workshop on Neuroinformation, dedicated to neuroimaging, and focus in EEG, MEG and MRI - Key Laboratory for Neuroinformation of Ministry of Education, Chengdou, China - Keynote speaker</li> <li>2016 Tübingen MEG Symposium - Tübingen, Germany</li> </ul>
Projects	<ul style="list-style-type: none"> <li>H2020-ERC-2018-SyG, Project Number: 810377, Imoniemi R. (PI), 2019-2025, <i>ConnectToBrain</i>; Investigator, delegate of the PI for Analysis Methods</li> <li>H2020-MSCA-COFUND, Project Number: 713645, Korhonen R. (PI) 2016-2021, <i>BIOMEPP</i>; Co-supervisor in the PhD program</li> <li>Bial Foundation Grant for Scientific Research, Marzetti L. (PI), 2017-2019 (42.000 €) <i>Mindfulness Meditation Shapes Synchronization of Brain Networks for Effective Perceptual Decision Making</i>; PI</li> <li>Faculty Resources Grant, "G. d'Annunzio" University of Chieti-Pescara, Marzetti L. (PI), 2014-2020 (~ 45.000 €) <i>Development of methods for estimating functional connectivity with MEG and EEG</i>; PI</li> <li>H2020-FETOPEN-2014-2015-RIA, Project Number:686865, Imoniemi R. (PI), 2016-2019, <i>BREAKBEN - Breaking the Nonuniqueness Barrier in Electromagnetic Neuroimaging</i>, Investigator</li> <li>NIH Human Connectome Project, 1U54MH091657-01, Van Essen D. (PI), 2010-2015, Team Member</li> <li>FP7-HEALTH-200728, <i>BrainSync</i>, Maurizio Corbetta (PI), 2008-2011, Team Member</li> </ul>
Conferences Organization	<ul style="list-style-type: none"> <li>2020 World Congress of the International Organization of Psychophysiology 2020, Member of Scientific Committee, Chengdu, China – postponed to 2021 due to COVID-19</li> <li>2020 Biomag 2020, Member of the Award Committee, Birmingham, UK – postponed to 2021 due to COVID-19</li> <li>2020 International Conference of Cognitive Neuroscience 2020, Member of Scientific Committee, Helsinki, Finland – postponed to 2021 due to COVID-19</li> <li>2018 International Society of Psychophysiology, Lucca, Italy. Chair and Symposium Organizer</li> <li>2018 Biomag 2018, Chair and Symposium Organizer at – Philadelphia, USA</li> <li>2017 Human Brain Mapping (HBM) – Vancouver, Canada. Chair and Symposium Organizer</li> <li>2016 20th International Conference on Biomagnetism (BIOMAG2016), - Coex, Seoul, Korea. Chair and symposium Organizer</li> </ul>
Honours and awards	<ul style="list-style-type: none"> <li>2017 Italian Ministry of University and Research - <i>FFABR</i></li> <li>2013 19<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping - <i>Travel Award</i></li> <li>2007 Abruzzo region POR C3/IC4E - <i>Fellowship</i></li> <li>2007 6<sup>th</sup> International Symposium on Noninvasive Functional Source Imaging of the Brain and Heart - <i>Student Paper Competition Award</i></li> <li>2005 11<sup>th</sup> Organization for Human Brain Mapping Meeting- <i>Travel Award</i></li> <li>2004 BIOMAG 2004 - <i>Samuel Williamson Award</i></li> </ul>

<p>Educational Activities</p>	<p>2020 Mentor in the Neuromatch Academy (<a href="https://neuromatch.io/academy">https://neuromatch.io/academy</a>)                  2019 International Summer School "Adriatica2019", Co-organizer, Pescara, Italy                  2019 TMS-EEG Science Factory 2019, Aalto University School of Science, Finland - Invited Lecturer                  2018 Helsinki University, Finland, Opponent for PhD defense of Santeri Rouinen                  2018 Aalto University, Finland, Opponent for PhD defense of Niko Mäkelä                  2018 TMS-EEG Science Factory 2018, Aalto University School of Science, Finland - Invited Lecturer                  2017 University of Electronic Science and Technology of China Summer School – UESTC, Chengdou, China – Invited Lecturer                  2017 Human Brain Mapping (HBM) – Vancouver, Canada - Speaker at the educational course                  2018 – Member of the Board of Teachers for the PhD program in Neuroscience and Imaging, UdA, Italy</p> <p>University of Chieti-Pescara, Italy, Supervisor of 5 PhD students and 4 PostDocs.                  Since 2008-2009, responsible teacher of Applied Physics in the Medical Faculty, UdA                  Since 2013-2014, responsible teacher of Physics in the Engineering Faculty, UdA                  Since 2020-2021, responsible teacher of Physics in the Biomedical Engineering Faculty, UdA</p>
<p>Grant Reviewer Service</p>	<p>2020 – Evaluator for European Commission - H2020 Marie Skłodowska-Curie Individual Fellowships applications                  2020 – Evaluator for Medical Research Council (UK) research grants                  2013 – NOW Netherlands Organization for Scientific Research, FWO Flanders Organization for Scientific Research</p>
<p>Journal Editor and Reviewer Service</p>	<p>2019 – Editor for <i>Computational Intelligence and Neuroscience</i>, Hindawi ISSN: 1687-5273                  Editor for <i>Brain Sciences</i>, MDPI, ISSN: 2076-3425, dal 2019                  2018 – Editor for <i>Brain Topography</i>, Springer, ISSN: 0896-0267, dal 2018                  Associate Editor for <i>Frontiers in Neuroscience, Brain Imaging and Methods</i>, ISSN 1662-4548, dal 2018                  2015 Guest editor for Brain Topography Special issue "Controversies in EEG Source Imaging"</p> <p>Ad hoc reviewer: Cerebral Cortex, Neuroimage, Human Brain Mapping, Journal of Neuroscience Methods, Brain Topography, Brain Connectivity, Frontiers in Human Neuroscience, Frontiers in System Neuroscience, eNeuro, PlosOne, Computational Intelligence and Neuroscience, IEEE Transactions on Biomedical Eng.</p>
<p>Professional Organization Service</p>	<p>2020 - 2023 Organization for Human Brain Mapping (OHBM) Diversity and Inclusivity Committee Member</p>