



PERSONAL INFORMATION

Family name, First name: Chiacchiaretta Piero
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Date of birth: 27-09-1979
 Nationality: Italian

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<https://www.ser-ve.it>

• BRIEF PRESENTATION:

Dr. Piero Chiacchiaretta, assistant professor of Information Processing System at University “G. D’Annunzio”, holds a MSc in Physics at University of L’Aquila and a PhD in Functional Neuroimaging from University “G. d’Annunzio” of Chieti-Pescara. He has also participated in the ATTRACT-EU (funding from EU H2020 research and innovation, grant agreement No 777222) call as local head unit with MRbrainS projects.

He is member of IEEE Advancing Technology for Humanity. He is also co-founder and president of SerVE srl, UdA Spin-off, the company works in the IT sector and specializes in the implementation of data management platforms with predictive models (topic: Health and Environment). Piero was the company manager of the "Artificial intelligence applied to RIS PACS systems" project as part of the PhD scholarship funded by the European Social Fund, action I.1 "Innovative Doctorates with industrial characterization". His interest includes the development of analysis methods and models concerning the health-environment field.

• EDUCATION

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|-----------|--|
| 2010-2013 | PhD in Functional neuroimaging: from molecular biology to cognitive sciences
University of “G. D’Annunzio” Chieti-Pescara, Department of Neuroscience, Imaging and Clinical Sciences, Chieti, Italy
Supervisor: Prof. Gian Luca Romani |
| 2007-2009 | master’s in physics
University of L’Aquila/ Department of Physics, L’Aquila, Italy |

• CURRENT POSITION(S)

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|----------------|---|
| 2021 – Present | Research Associate
University of “G. D’Annunzio” Chieti-Pescara, Department of Psychological, Health and Territory Sciences, Chieti, Italy |
| 2015 – Present | President, co-founder
SerVE srl – Service Viewing Engineering, Chieti Italy (www.ser-ve.it) |

• PREVIOUS POSITIONS

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|-------------|---|
| 2013 – 2021 | Research Fellow
University of “G. D’Annunzio” Chieti-Pescara, Department of Neuroscience, Imaging and Clinical Sciences, Chieti, Italy |
| 2009 | Scientific cooperation agreement
University of “G. D’Annunzio” Chieti-Pescara/ Department of Neuroscience, Imaging and |

Clinical Sciences, Chieti, Italy

European Project: Hybrid MEG - MRI Imaging System (FP7-HEALTH -2007- A)

Conception, design, development and prototyping of an antenna formed by squeezed sensors superconductivity regime for detection of magnetic fields of the order of fT.

2004 – 2008 Scientific Collaborator
ENEA Research Center Frascati, Department Laser and Solid State, Frascati – Rome Italy

• FELLOWSHIPS AND AWARDS

2013– 2018 University of “G. D’Annunzio” Chieti-Pescara, Department of Neuroscience, Imaging and Clinical Sciences, Chieti, Italy
Titled: “Study of the temporal and spatial specificities of different functional magnetic resonance imaging techniques with applications to the analysis of functional connectivity during resting state and cognitive or motor tasks.”

2013 University of “G. D’Annunzio” Chieti-Pescara, Department of Neuroscience, Imaging and Clinical Sciences, Chieti, Italy
Titled: “Study of brain connectivity during cognitive tasks in patients with bipolar disorder using functional magnetic resonance imaging.”

• SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2017 – 2020 1 PhD Student, Innovative & Industrial PhD (PON – MIUR CCI 2014IT16M2OP005)
SerVE srl – Service Viewing Engineering, Chieti Italy in partnership with university of “G. D’Annunzio” Chieti-Pescara, Department of Neuroscience, Imaging and Clinical Sciences, University, Italy

• TEACHING ACTIVITIES

2021 – Present Professor – “Information processing systems” at course of studies in *Health Care*, III-year, II semester, university of “G. D’Annunzio” Chieti-Pescara, Chieti, Italy

2021 – Present Professor – “Information processing systems” at course of studies in *Techniques of Cardiocirculatory Pathophysiology and Cardiovascular Perfusion*, 1st year, I semester, university of “G. D’Annunzio” Chieti-Pescara, Chieti, Italy

2020 – Present Professor – “Information processing systems” at course of studies in *Nursing Sciences in Healthcare Management*, III-year, II semester, university of “G. D’Annunzio” Chieti-Pescara, Chieti, Italy

2020 – Present Professor – “Information processing systems” at course of studies in *Biomedical Laboratory Techniques*, 1st year, I semester, university of “G. D’Annunzio” Chieti-Pescara, Chieti, Italy

2020 – Present Professor – “Informatics” at course of studies in *Occupational Therapy*, 1st year, I semester, university of “G. D’Annunzio” Chieti-Pescara, Chieti, Italy

2020 – Present Professor – “Introduction to Big Data and analysis” at Doctoral program in Science and Technology for Sustainable Development, 36° Cycle, university of “G. D’Annunzio” Chieti-Pescara, Chieti, Italy

• PROJECT and GRANT

2017 – 2018 Principal Investigator of the international project entitled: "Intersubject variability of brainstem modulation of the endogenous analgesia and phenotypical characterization of the nociceptive profile in humans. A cortical-brainstem connectivity study." Funded by the European Pain Federation EFIC within the EGG 2016 international competition. The project involves the development and application of signal and image processing algorithms

(Dynamic Causal Modeling, Granger Causality, Theory of Graphs, etc.) for the purpose to study the reciprocal influence between the brain areas involved in pain. (Funded in 2017 with 40,000 euros.)

2019 – 2020 Scientific coordinator of the local unit of the project entitled "Mixed reality for brain functional and structural navigation during neurosurgery" of the "Computing / software and integration" sector financed by the European Commission through the ATTRACT consortium (coordinated by CERN in Geneva) - subprogram H2020 (Funded in 2019 for a total of 100,000 euros)

- **INSTITUTIONAL RESPONSIBILITIES**

2021 – Present Member of the Doctoral Committee “Science and Technology for Sustainable Development”, university of “G. D’Annunzio” Chieti-Pescara, Chieti, Italy

- **REVIEWING ACTIVITIES**

2020 – Present Reviewer, Scientific Report – Nature

- **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

2020 – Present Member, IEEE

- **MAJOR COLLABORATIONS**

Prof. Richard A. Edden (The Johns Hopkins University School of Medicine, Russell H. Morgan Department of Radiology and Radiological Science, Baltimore, MD, USA; and FM Kirby Center for Functional MRI, Kennedy Krieger Institute, Baltimore, MD, USA)

- **PATENT**

Inventor and patent holder entitled "Dynamic device for the control of discharge to ground of the body weight"
EUROPEAN PATENT APPLICATION number: 14425063.6 license: EP 2 807 940 A1

Publications

<https://ricerca.unich.it/browse?authority=rp04012&type=author#.YeaSdljMJqs>