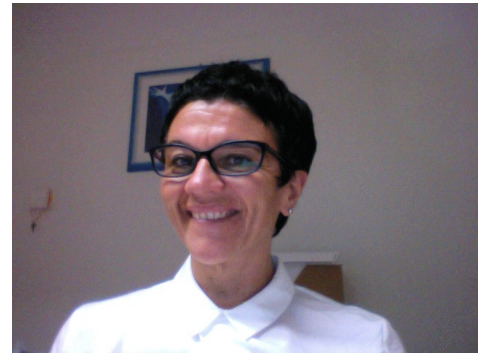


FRANCESCA MORGANTI, PhD

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*Personal Information*

Date of Birth: June 11, 1973
Place of Birth: S. Benedetto del Tronto (AP) - Italy

EDUCATION

November 2003 Doctoral Degree in Cognitive Science - University of Torino. Thesis: « Spatial Cognition in Virtual Reality: An Analysis of Interaction Modalities & Exploration Goals» Supervisor: Prof. Giuliano Geminiani
1999-2000 Post-Graduate Degree in Neuropsychology and Clinical Psychophysiology - University of Padova - Thesis: "Biofeedback: Clinical applications" Supervisor: Prof. Niels Birbaumer
1992-1999 Master Degree (Laurea) in Experimental Psychology (5-year course) - University of Padova. Thesis: "A study of attention and executive functions in schizophrenia" Supervisor: Prof. Carlo Arrigo Umiltà

GRANT SUPPORT

October 2002- September 2008 Research Grant from the IRCCS - Istituto Auxologico Italiano, Milan (Italy)
1995-1996 Exchange Scholar (Socrates-Erasmus Program), Faculty of Psychology – University of Lisboa (Portugal)

RESEARCH AWARDS

September 2007 - Best Paper Award at the IEEE Virtual Rehabilitation Conference – Venice, Italy
June 2006 - Interactive Media Institute (San Diego, CA) Annual Prize for the Best Poster Paper at the 11th Cybertherapy Conference – Gatineau, Canada.
December 2005 - European Academy Of Rehabilitation Medicine - Prize 2005 The annual prize of the European Academy of Rehabilitation Medicine, Madrid, Spain

ACCADEMIC EMPLOYMENT HISTORY

- April 2018 – at present

Associate professor of Neuroscience at University of Bergamo, Italy where she teaches:

- "Social Cognitive Neuroscience" (6 ECTS/30 hours Master course, from a.y. 2018-2019 at present)
- "Foundations of Psychobiology" (6 ECTS/30 hours Bachelor course, from a.y. 2018-2019 at present)
- "Psychology of life cycle" (12 ECTS/60 hours Bachelor course, from a.y 2018/2019 to a.y. 2017/2018)
 - Module A: Psychobiology of typical and atypical evolutive phases
 - Module B: Psychobiology of elderly fragility and dementia
- "Ageing Psychology" (6 ECTS/30 hours Bachelor course, from a.y. 2018-2019 at present)

- October 2008- March 2018

Assistant professor of Neuroscience at University of Bergamo, Italy where she teaches:

- "Psychology of life cycle" (10 ECTS/60 hours Bachelor course, from a.y 2013/2014 to a.y. 2017/2018)
 - Module A: Psychobiology of typical and atypical evolutive phases

- Module B: Psychobiology of elderly fragility and dementia
 - “Psychology of Education” (5 ECTS/30 hours Bachelor course, a.y. 2014/2015)
 - “Foundations of Psychobiology” (10 ECTS/60 hours Bachelor course, from a.y. 2007/2008 to a.y. 2010/2011)
 - “Psychobiology of Interpersonal Relationships” (20 hours Doctoral Course, in English, from 2014 at present)
 - “Enactive Developmental Psychology” (18 hours Master course for Educational Psycho-motricity curriculum, from 2013 at present)
 - “Intentional behaviors in intersubjectivity: Methods for detection and analysis” (40 hours laboratory course, a.y. 2011/2012- 2012/2013)
- April 2005- September 2008
 Invited Professor at Master program in Technology for Communication, University of Lugano, Switzerland for the courses of:
 - “Psychology of New Media” (30 hours Master Course, in English)
 - “Virtual reality as experiential and communication places” (30 hours Master Course, in English)
 - “Analysis of cooperative work: Workplace studies” (30 hours Master Course, in English)
- Other Teaching Activity:
 - “Embodied approach to the study of emotional and intentional relationship in psychotherapy” (10 hours course at the Italian Ministry approved school for Cognitive Psychotherapy Specialization, Como, from 2011 at present)
 - “Intersubjectivity in neuroscience” (18 hours course at the Italian Ministry approved school for Neuro-Cognitive approach in Psychotherapy Specialization, Pavia, from 2007 to 2009)
 - “Ambient Intelligence: Conceptual and practical issues” (Invited professor for the 8 hours seminarial course at the il Center of Computer Science, University of Haifa, Israel. In english, a.y.2004/2005)

RESEARCH EMPLOYMENT HISTORY

- From September 2020 Francesca Morganti is Scientific Director of the Research Centre “IER- Innovative Elder Research”, The Care Group
- From May 2016 at present Francesca Morganti is principal investigator for Dementia Friendly Italia group, Department of Human and Social Sciences, University of Bergamo
- From October 2008 at University of Bergamo Francesca Morganti is principal investigator for the Italian Ministry of University and Research (MIUR) funded projects:
 - “Embodied and situated knowledge acquisition in the elderly and neurological patients”
 - “Enaction and Intersubjectivity for Active Ageing” (2015-2016 grant)
 - “Embodiment, Mirroring and Intersubjectivity: Implications for neuro-cognitive assessment and rehabilitation” (2014-2015 grant)
 - “Intersubjectivity and Enaction in neurological patients” (2013-2014 grant)
 - “Embodied knowledge acquisition and sharing in healthy and neurological population: a new enactive perspective for cognitive neuroscience” (2010-2012 grant)
 - “Spatial orientation evaluation in healthy subjects and neurological patients: a comparison between “paper and pencil” and virtual reality exploration” (2008-2009 grant)

- October 2001 – September 2008 Associate Researcher at the Applied Technology for Neuro-Psychology Lab (ATN-P Lab) - Istituto Auxologico Italiano, Milan, Italy on the EU/Italian ResearchMinistry funded projects:
 - (FP5 EU-funded, ISTarea) “I-LEARNING – Imaginative Enhanced Learning” (FP5 IST/FET 2001-38861)
 - (FP5 EU-funded, ISTarea) “EMMA – Engaging Media for Mental Health Applications” (FP5 IST/FET 2002-21651)
 - (FP7 EU-funded, IST area) “PASION - Psychologically Augmented Social Interaction Over Networks” (FP6 IST/FET 2006- 027654)
 - (Italian Ministry of Research MIUR- FIRB project - RBIN04BC5C) “IVT-2010 – Immersive Virtual Telepresence (IVT) for Experiential Assessment and Rehabilitation” - International project with the University of Haifa.
- April 2005-September 2008 Research Assistant of the Institute for Psychology and Sociology of Communication, University of Lugano, Switzerland
- 2002-2004 Researcher on the Italian Ministry Research Project “Perceptual and Cognitive Factors in Spatial Navigation Tasks within Virtual Reality Environments” (Cofin. MURST 2003, prot. 2003119035) - University of Torino.
- 1999-2001 Researcher on the Italian Ministry Research Project “Reasoning processes and mental models: an analysis of the spatial inferences” (Cofin MURST '99, prot. 9911314534) – University of Torino

MAJOR RESEARCH INTERESTS

Francesca Morganti worked since 1999 on the relationship between enactive technologies, such as virtual reality, and cognitive neuroscience. From one point of view she used enactive technologies as innovative possibility to have a full controlled experimental setting for the study of knowledge acquisition, on the other complementary side she designed and ergonomically tested enactive technologies for the application in experimental psychology and neuroscience. Among the Italian scientific panorama Francesca Morganti has a peculiar expertise in between Neuroscience and Information Technology as showed from her methodological and theoretical publications. Moreover on emerging technologies application in neuroscience, Francesca Morganti works on the evaluation and treatment of cognitive impairment derived from neurodegenerative diseases focusing in particular on dementia early detection and treatment.

She is member of the main international societies and editorial boards in the field, such as:

- Scientific Society Membership:
 - Cognitive Science Society
 - International Society for Virtual Rehabilitation
 - International Society for Presence Research
 - Italian Psychology Association - Experimental Psychology Section
- Associate Reviewer for:
 - Advances in Human-Computer Interaction (Editorial Board)
 - Journal of Environmental Psychology
 - Cyberpsychology & Behaviour
 - Transactions on Neural Systems & Rehabilitation Engineering
 - Evidence Based Complementary and Alternative Medicine
 - Cognitive Science Society, International Conference
 - Cognitive Science Society, European Conference
 - Virtual Reality Rehabilitation Conference

2020

Morganti F., Palena N., Savoldelli P., Greco A. (2020). Take the first-person perspective to become dementia-friendly: the use of 360° video for experiencing everyday-life challenges with cognitive decline. *Frontiers in Psychology*, 11:1117. doi: 10.3389/fpsyg.2020.01117

Morganti F., Rezzonico, R., Cheng SC., Price CJ. (2020). Italian version of the scale of body connection: validation and correlations with the Interpersonal Reactivity Index. *Complementary Therapies in Medicine*, 51, 102400.

2019

Morganti, F., Negri I. (*under review*) How cognitive reserve could protect from dementia? An analysis of everyday activities and social behaviours during lifespan. *Behavioral Neurology*

Morganti, F., Sabattini, P., Casale R. (2019). Can motor and cognitive rehabilitation work together? The example of spatial disorientation treatment after stroke. *Communications in Computer and Information Science*, 1002, 14-30.

2018

Morganti F. (2018). Le comunità Dementia Friendly. Verso l'inclusione delle persone con fragilità cognitiva. Milano: Franco Angeli

Morganti, F., Soli, A., Savoldelli, P., Belotti, G. (2018). The Neuropsychiatric Inventory-Diary rating scale (NPI-Diary): a method for improving stability in assessing neuropsychiatric symptoms in dementia. *Dementia and Geriatric Cognitive Disorders Extra*, 8,306-320.

Serino, S., Morganti, F., Colombo, D., Pedroli, E., Cipresso P., Riva G. (2018). Disentangling the Contribution of Spatial Reference Frames to Executive Functioning in Healthy and Pathological Aging: An Experimental Study with Virtual Reality. *Sensors*, 18 (6).

Costa, R.Q.M., Pompeu, J.E., Mello, D.D., Moretto, E., Rodrigues, F.Z., Santos, M.D, Nitrini, R., Morganti, F., Brucki, SMD (2018). Two new virtual reality tasks for the assessment of spatial orientation Preliminary results of tolerability, sense of presence and usability. *Dementia & Neuropsychologia*, 12(2), 196-204.

2017

Rigoni, D., Morganti, F., Braibanti, P. (2017). The role of baseline vagal tone in dealing with a stressor during face to face and computer-based social interactions. *Frontiers in Psychology* 8 (NOV), 1986.

Morganti F., Braibanti P., Trombini S., Brivio, F. (in press). Concordance in healthcare by means of the intersubjective negotiation of a joint commitment. *European Journal for Person Centered Healthcare*.

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2016

Morganti F. (2016). Embodied space in natural and virtual environments: Implications for cognitive neuroscience research. In Serino, S., Matic, A., Giakoumis, D., Lopez, G., Cipresso, P. (Eds.) *Pervasive Computing Paradigms for Mental Health*, Springer, pp.110-119.

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Morganti F., Minelli E. (2016) Managing a dual-task during a virtual shopping in patients with early dementia. WSEAS Transactions on Biology and Biomedicine, 13, 33-39. WSEAS Transactions on Biology and Biomedicine, 13, 33-39.

Morganti F., Minelli E. (2016). Grocery shopping has become complicated. Managing dual-tasks in a supermarket for patients with Alzheimer's disease. Proceedings of the 12th International Conference on Educational Technologies (EDUTE '16), February, 13-15 Barcelona pp.49-53.

2015

Villani D, Morganti F., Cipresso P, Ruggi S, Riva G and Gilli G (2015). Visual exploration patterns of human figures in action: An eye tracker study with art paintings. Frontiers in Psychology 6:1636. doi: 10.3389/fpsyg.2015.01636

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Morganti F. (2015). Intersoggettività fra cuore e cervello: Verso una prospettiva embodied allo studio delle emozioni. In E. Kemol, M. Iacono (Eds) Le emozioni nella pratica psicologica. Cleup Edizioni, pp. 11, 34

2014

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Serino S., Cipresso P., Morganti F., Riva G. (2014). The role of egocentric and allocentric abilities in Alzheimer's disease: A systematic review. Ageing Research Reviews, 16, 32-44.

2013

Morganti F., Stefanini S., Riva G. (2013). From Allo- to Egocentric Spatial Ability in early Alzheimer's Disease: A study with virtual reality spatial tasks. Cognitive Neuroscience, 4, 171-180. doi:10.1080/17588928.2013.854762

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2012

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2011

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2007

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- Morganti F., Carassa A., Geminiani G. (2007). Planning optimal paths: A simple assessment of survey spatial knowledge in virtual environments. *Computers in Human Behavior*, 23(4), 1982-1996.
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2005

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2004

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2003

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