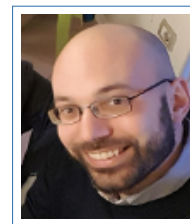


# Michele Scandola

Ph.D.

✉ [michele.scandola@univr.it](mailto:michele.scandola@univr.it)



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## Privacy (art. 15 del D.Lgs. n. 33/2013)

In compliance with the Italian legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document.

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## Self-declaration affidavit (art. 47 and art.19 of D.P.R. n. 445/2000)

I, the undersigned Michele Scandola, aware of the consequences of making false statements, falsehood of acts and use of false facts, punishable by law according to art. 76 D.P.R. n. 445/2000 and art. 496 of the Italian Penal Code, under my own responsibility declare that the information in this Curriculum Vitae including the information on the scientific production is true.



Verona, June 12, 2018

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## Presentation

I began my research activity during my internship at the Quantitative Psychology Laboratory of prof. Giulio Vidotto. It was focused on the study of the Body Image (by means of psychophysics techniques) and on the validation of questionnaires. After my Master Degree I have begun collaborating with a laboratory of robotics at the University of Verona (ALTAIR), led by prof. Paolo Fiorini. I have also collaborated on an European Project (SAFROS). My research included working on cross-modal visuo-haptic perception in virtual reality environments through psychophysics methodologies and robotic tools, and on learning processes in virtual reality environments.

My research topic during the three-years Ph.D course (at “Sapienza” University of Rome, final mark: with honors) was the representation of body and space in patients with spinal cord damage. In this period I could independently improve my statistics and methodology skills, especially general mixed models and bayesian statistics. I also improved my knowledge of virtual reality environments and electrophysiological recordings. I am currently collaborating with some European research teams, several spinal cord units and rehabilitative departments spread in the national territory.

I have participated in 4 international summer schools and spent 3 months at the LNCO laboratory at the EPFL (Switzerland), led by prof. Olaf Blanke.

During my Ph.D. I led two funded projects as principal investigator, and I have participated to 2 European projects, and 2 National projects as research assistant (*assegnista di ricerca*).

I was awarded at the Alps Adria Psychology Conference 2010, Fechner Day 2012 and at the Code4Play 2014. In addition to it, my works were selected by the scientific committee at the “Teaching Robotics, Teaching with Robotics” Workshop 2012, and at the *XVII<sup>th</sup>* national meeting of the Italian Society of Neurologic Rehabilitation (SIRN) in 2017.

I have been ad-hoc reviewer for 4 international journals and one international conference, and collaborated in the organization the Fechner Day 2010 (held in Padova, Italy) and two simposiums at international conferences

(FESN 2015, held in Tampere, Finland; FESN 2017 held in Maastricht, Netherlands).

In the last period, I have taught bayesian and general mixed models to Ph.D. students at the University of Verona and at “La Sapienza” University of Rome. I have taught “Tecnologie Informatiche e Multimediali” (Multimedial and Computer Science Technologies) at the bachelor’s degree in Organisational Training and “Disabilità e Corporeità” (Body representation and disability) at the master’s degree in Educational Science.

Nowadays, I am Research Fellow (RTDa) at the University of Verona in the MPSI/02 sector.

I am currently member of the SINP (Italian Society for Neuropsychology), FESN (Federation of the European Societies of Neuropsychology), SIPF (Italian Society for Psychophysiology), and SITCC (Italian Society of Cognitive Behavioural Psychotherapy).

Skype: doc\_tenerife

ResearchGate: [https://www.researchgate.net/profile/Michele\\_Scandola](https://www.researchgate.net/profile/Michele_Scandola)

Orcid: <http://orcid.org/0000-0003-0853-8975>

ResearcherID: <http://www.researcherid.com/rid/D-8107-2013>

	Total Number of Citations	h-Index	Average Number of Citations <sup>1</sup>
Metrics:	Google Scholar 132	7	4.71
	Scopus 85	6	4.47

<sup>1</sup>the average number of citations has been computed on the total number of articles recognized by the online platform.

## Education

*November 1<sup>st</sup>, 2011*    **Ph.D. degree in Psychology and Social Neurosciences (XXVII<sup>th</sup> cycle)**  
*October 31<sup>st</sup>, 2014*

*Department of Psychology, University of Roma “La Sapienza”, Italy*

**Final mark:** *with Honors*

**Principal subjects covered:**

- Spinal cord injury studies
- Neuroscience studies
- Neuropsychology studies
- Writing scientific reports
- Physiological measures and physiological experimental paradigm
- Virtual Reality

*January 1<sup>st</sup>, 2011*    **Specialization in Cognitive Behavioural Therapy**

*Present day Cognitive Psychological Association, Verona, Italy*

**Note:** *Break in studies from December 16<sup>th</sup>, 2012 to January 1<sup>st</sup>, 2016 due to Ph.D. course*

- October 1<sup>st</sup>, 2009 **Internship at the Quantitative Psychology Laboratory (QPLab)**  
 October 1<sup>st</sup>, 2010 *Department of General Psychology, University of Padova, Italy*  
**Principal subjects covered:**
- Methodological studies
  - Psychophysical studies
  - Teaching multivariate analysis
  - Writing scientific reports
  - Collaboration in organizing the annual meeting of the International Society for Psychophysics (ISP)
- Principal subjects covered:** Cognitive  
 Behavioural  
 Psychotherapy
- September, 2006 **Master's degree in Clinical Psychology**  
 June 18<sup>th</sup>, 2009 *Psychology Department, University of Padova, Italy*  
**Final Mark:** 108/110  
**Principal subjects covered:** Clinical Psychology
- September, 2001 **Bachelor's degree in Psychobiology and cognitive sciences**  
 September, 2006 *Psychology Department, University of Padova, Italy*  
**Principal subjects covered:** Psychobiology and cognitive sciences

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## Previous Positions

- June 1<sup>st</sup>, 2017 **Laboratory of Neuropsychology in Verona (NPSY-Lab.VR)**  
 Present Day *Department of Human Sciences, University of Verona, Italy*  
**Occupation or position held:** Research Fellow – *Ricercatore a tempo determinato junior*  
**Main activities and responsibilities:**  
 Research concerning spinal cord injury, body representation in the brain and neuropsychological diseases. Development of experimental tools with Arduino and C-like programming languages. Statistical consultant.
- November 1<sup>st</sup>, 2014 **Laboratory of Neuropsychology in Verona (NPSY-Lab.VR)**  
 November 30<sup>th</sup>, 2016 *Department of Human Sciences, University of Verona, Italy*  
**Occupation or position held:** Research Assistant – *Assegnista di Ricerca*  
**Main activities and responsibilities:**  
 Research concerning spinal cord injury, body representation in the brain and neuropsychological diseases. Development of experimental tools with Arduino and C-like programming languages. Statistical consultant.
- September 8<sup>th</sup>, 2014 **Laboratory of Cognitive Neuroscience (LNCO)**  
 December 7<sup>th</sup>, 2014 *School of Life Sciences, Brain Mind Institute, Center for Neuroprosthetics, Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland*  
**Occupation or position held:** Visiting Student  
**Main activities and responsibilities:**  
 Research concerning cognitive neuroscience in healthy participants. Design and development of virtual reality psychophysics experiments.

- November 1<sup>st</sup>, 2011 **Social Cognitive Neuroscience Laboratory (SCNLab)**  
 October 31<sup>st</sup>, 2014 *Department of Psychology, "La Sapienza" University of Rome, Italy*  
**Occupation or position held:** Ph.D. student in CoSAN program  
**Main activities and responsibilities:**  
 Research concerning spinal cord injury, body representation in the brain and neuropsychological diseases.
- May, 2010 **A Laboratory for Teleoperation and Autonomous Intelligent Robots**  
 March, 2012 **(Altair)**  
*Computer Science Department, University of Verona, Italy*  
**Occupation or position held:** Research Assistant – *Assegnista di Ricerca*  
**Main activities and responsibilities:**  
 Research in robot-assisted surgery training, psychophysics aspects of robot-assisted surgery, statistical analysis.

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## Teaching activities

- March, 5<sup>th</sup> 2018 **Body and Disability (2017/2018)**  
 April, 18<sup>th</sup> 2018 *Department of Human Sciences, University of Verona, Italy*  
**Audience:** University students  
**Main subjects:** disability, body representation, autism, dementia, spinal cord injuries
- November 28<sup>th</sup>, 2016 **General Linear Mixed Models: An Introduction**  
 December 2<sup>nd</sup>, 2016 *Department of Psychology, "La Sapienza" University of Rome, Italy*  
**Audience:** Ph.D. students  
**Main subjects:** General Linear Mixed Models, R
- November 21<sup>st</sup>, 2016 **General Linear Mixed Models: An Introduction**  
 November 24<sup>th</sup>, 2016 *Department of Human Sciences, University of Verona, Italy*  
**Audience:** Ph.D. students  
**Main subjects:** General Linear Mixed Models, R
- October 6<sup>th</sup>, 2016 **Computer technologies and multimedia (2016/2017)**  
 November 25<sup>th</sup>, 2016 *Department of Human Sciences, University of Verona, Italy*  
**Audience:** University students  
**Main subjects:** Computer science, multimedia, social media, e-learning, virtual reality psychotherapy, experimental psychology softwares
- November 9<sup>th</sup>, 2015 **Computer technologies and multimedia (2015/2016)**  
 January 17<sup>th</sup>, 2016 *Department of Philosophy, Education and Psychology, University of Verona, Italy*  
**Audience:** University students  
**Main subjects:** Computer science, multimedia, social media, e-learning
- October 13<sup>th</sup>, 2015 **Introduction to Bayesian Statistics**  
*Department of Psychology, "La Sapienza" University of Rome, Italy*  
**Audience:** Ph.D. students  
**Main subjects:** Bayesian statistics, R, JAGS, JASP, BayesFactor
- October 7<sup>th</sup>, 2015 **Introduction to Bayesian Statistics**  
*Department of Philosophy, Education and Psychology, University of Verona, Italy*  
**Audience:** Ph.D. students  
**Main subjects:** Bayesian statistics, R, JAGS, JASP, BayesFactor

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## Student Supervisor Experience

2012  
*Present day* I am currently supervising the thesis work of 4 undergraduate bachelor students and 1 master student. I have successfully supervised the thesis work of 10 undergraduate students (3 awards for the best regional theses of the year in Physiotherapy and one third position). I have additionally provided day-to-day internship tutoring for 6 graduate psychologists.

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## Funded projects

January, 2013  
December, 2013 **L'integrazione multisensoriale in uno studio di percezione della verticale visiva in cervelli esperti: studi comportamentali e di Stimolazione Magnetica Transcranica (TMS). Il ruolo di TPJ nella percezione della verticale visiva soggettiva** – *Multisensory integration in a perceptual study of the visual vertical in experts brain: behavioural and TMS studies. The role of TPJ in the perception of the Subjective Visual Vertical*  
**Project Code:** Prot. Num. C26N13TMFT, “Avvio alla ricerca” 2013 from the University of Roma “La Sapienza”, Roma, Italy  
**Lead scientist:** Michele Scandola  
**Position and responsibilities:**  
Principal Investigator, my work consisted in supervising the research, designing experiments and collecting data.

September 8<sup>th</sup>, 2014  
December 7<sup>th</sup>, 2014 **Progetto di mobilità – Mobility project**  
**Project Code:** Prot. Num. 7220, “CooperInt” 2014 from the University of Verona, Italy  
**Lead scientist:** Michele Scandola  
**Position and responsibilities:**  
Principal Investigator, my work consisted in supervising the research, designing experiments and collecting data.

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## Participation in research projects

June 1<sup>st</sup>, 2016  
*Present day* **Techno-Cognitive Strategies Against Maladaptive Plasticity**  
**Project Code:** P164, International Foundation for Research in Paraplegia research grant  
**Lead scientist:** prof. Silvio Ionta  
**Lead scientist for the Italian Unit:** prof. Valentina Moro  
**Position and responsibilities:**  
Research assistant, my work consisted in designing and programming experiments, collecting and analysing data from patients and healthy controls.  
**Institution:** Department of Human Sciences, University of Verona, Verona, Italy  
**Principal subjects:** Neuroscience, robotics, virtual reality, spinal cord injuries

- June 1<sup>st</sup>, 2016*      **MODulation Of peripersonal Space (MOTOS)**  
*Present day*      **Project Code:** Bando di Ateneo per la Ricerca di Base 2015 project MOTOS  
**Lead scientist:** prof. Valentina Moro  
**Position and responsibilities:**  
Research assistant, my work consisted in designing and programming experiments, collecting and analysing data from patients and healthy controls.  
**Institution:** Department of Philosophy, Education and Psychology, University of Verona, Verona, Italy  
**Principal subjects:** Neuroscience, robotics, virtual reality
- June 1<sup>st</sup>, 2016*      **Body and action perception in the peripersonal space: immersive virtual reality, EEG and behavioural studies in healthy and massively somatosensory de-afferented and motor de-efferented people**  
*Present day*      **Project Code:** PRIN 20159CZFJK, MIUR  
**Lead scientist:** prof. Salvatore M. Aglioti  
**Lead scientist for the Verona Unit:** prof. Valentina Moro  
**Position and responsibilities:**  
Research assistant, my work consisted in designing and programming experiments, collecting and analysing data from patients and healthy controls.  
**Institution:** Department of Philosophy, Education and Psychology, University of Verona, Verona, Italy  
**Principal subjects:** Neuroscience, robotics, virtual reality
- April 1<sup>st</sup>, 2012*      **Virtual Embodiment and Robotic Re-Embodiment (VERE)**  
*March 31<sup>st</sup>, 2013*      **Project Code:** FP7-ICT-257695, European Seventh Framework Programme research project  
**Lead scientist:** prof. Mel Slater  
**Lead scientist for the Italian Unit:** prof. Salvatore M. Aglioti  
**Position and responsibilities:**  
Research assistant, my work consisted in designing and programming experiments, collecting and analysing data from patients and healthy controls.  
**Institution:** Department of Philosophy, Education and Psychology, University of Verona, Verona, Italy  
**Principal subjects:** Neuroscience, robotics, virtual reality
- April 1<sup>st</sup>, 2012*      **Predizione multimodale dell'azione in pazienti con lesioni neurologiche – Multimodal predictive coding of actions in brain damaged patients**  
*March 31<sup>st</sup>, 2013*      **Project Code:** 2009A8FR3Z\_003, PRIN 2009 from the Italian Ministry of Education and University  
**Lead scientist:** prof. Salvatore M. Aglioti  
**Lead scientist for the Verona Unit:** prof. Valentina Moro  
**Position and responsibilities:**  
Research assistant, my work consisted in designing and programming experiments, collecting and analysing data from patients and healthy controls.  
**Institution:** Department of Philosophy, Education and Psychology, University of Verona, Verona, Italy  
**Principal subjects:** Neuroscience, neuropsychology

*April 1<sup>st</sup>, 2013*  
*March 31<sup>st</sup>, 2014* **And yet they MOve: immobile patients re-enter the physical world through embodiment in avatar or robot surrogates (AMO)**  
**Project Code:** RF-2010-2312912, Bando Progetti di Ricerca Giovani Ricercatori – Ricerca Finalizzata 2010  
**Lead scientist:** prof. Salvatore M. Aglioti  
**Lead scientist for the Verona Unit:** prof. Valentina Moro  
**Position and responsibilities:**  
Research assistant, my work consisted in designing and programming experiments, collecting and analysing data from patients and healthy controls.  
**Institution:** Department of Psychology, University of Roma “La Sapienza”, Roma, Italy  
**Principal subjects:** Neuroscience, neuropsychology

*May 1<sup>st</sup>, 2010*  
*March 31<sup>st</sup>, 2012* **Patient safety in robotic surgery (SAFROS)**  
**Project Code:** FP7-ICT-248960, European Seventh Framework Programme research project  
**Lead scientist:** prof. Paolo Fiorini  
**Position and responsibilities:**  
Research assistant, my work consisted in conducting in all their parts psychophysics experiments to study the effect of visuo-haptic discrepancies in a virtual reality with a force-feedback joystick system. Furthermore I had to design studies to test educational theories and modalities to teach robotic basics to surgeons.  
**Institution:** Department of Computer Science, University of Verona, Verona, Italy  
**Principal subjects:** Robot-assisted surgery, psychophysics

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## Summer Schools Attended

*September 20<sup>th</sup>, 2017*  
*September 23<sup>th</sup>, 2017* **E-methods and Social Sciences**  
**Organizers:** prof. Mauro Niero, prof. Cristina Lonardi & prof. Luca Mori  
**Location:** Verona, Italy  
**Principal subjects:**  
Big Data, Social network analysis, Sentiment analysis, Issue Mapping, Mobile Health.

*June 13<sup>th</sup>, 2016*  
*June 17<sup>th</sup>, 2016* **Integration of methods and techniques for research, clinic and rehabilitation in psychophysiology and neuroscience**  
**Organizers:** prof. Michela Balconi & prof. Simone Rossi  
**Location:** Milan, Italy  
**Principal subjects:**  
The Summer School covered several field of neurophysiological techniques: the Transcranial Magnetic Stimulation technique, the Transcranial Electrical Stimulation techniques (tDCS, tACS, tRNS), Optical Imaging, Electroencephalography, Biofeedback, Neurofeedback and Connectivity. All the techniques have been studied through theoretical lessons and by means of hands-on courses.

*June 4<sup>th</sup>, 2014*  
*June 6<sup>th</sup>, 2014* **Doing Bayesian Data Analysis - John Kruschke Workshop**  
**Organizers:** prof. Hans Olaf Melberg  
**Location:** Oslo, Norway  
**Principal subjects:**  
This workshop showed how to do Bayesian data analysis, hands on (by means of R and JAGS). This course was intended for Ph.D.-candidates, researchers, medical students and health Professionals.

September 1<sup>st</sup>, 2013 **Visceral Mind Summer School: A hands-on course in the neuroanatomy of cognition**  
 September 8<sup>th</sup>, 2013

**Organizers:** prof. Robert Rafal  
**Location:** Bangor University, Wales, UK  
**Principal subjects:**  
 Neuroanatomy, Neuroscience, Neuropsychology, DTI, TMS, Genetics.

June 9<sup>th</sup>, 2013 **Aegina Summer School – Embodied Inter-subjectivity: the 1<sup>st</sup> person and the 2<sup>nd</sup> person perspective**  
 June 15<sup>th</sup>, 2013

**Organizers:** prof. Manos Tsakiris, prof. Andrea Serino, prof. Barry Smith  
**Location:** Island of Aegina, Greece  
**Principal subjects:**  
 1<sup>st</sup> person perspectives of embodiment, The embodied self in interaction with the world, Ontogenetic and phylogenetic perspectives on social cognition, Transition from 3rd person- to 2nd person perspective in social neuroscience, Embodying other people’s minds and bodies.

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## Languages

*Mothertongue* **Italian**

	Understanding				Speaking				Writing	
	Listening	Reading	Spoken interaction	Spoken production	Listening	Reading	Spoken interaction	Spoken production	Writing	Writing
<i>English</i>	B2	Independent user	C1	Proficient user	B1	Independent user	B1	Independent user	C1	Proficient user
<i>Spanish</i>	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user

Self Assessment – Common European Framework of Reference (CEF) level

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## Ad-hoc reviewer for

*Journal* **Transaction of Haptics** – *IF 1.39*

*Journal* **The American Journal of Obstetrics & Gynecology** – *IF 3.877*

*Journal* **Journal of Neurosciences Methods** – *IF 1.959*

*Journal* **Quarterly Journal of Experimental Psychology** – *IF 2.129*

*Conference* **Conference on Biomedical Robotics and Biomechatronics** – *June 24-28, 2012, Roma, Italy*

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## Awards



*Best Student Award* **Winner of Alps Adria Psychology Conference 2010 Young Scientists Paper Prize**  
*September 17<sup>th</sup>, 2010, with the work Scandola, Bastianelli, Spoto, and Vidotto 2010*

*Selected Work at the TRTWR 2012* **Selected work by the scientific committee at the “Teaching Robotics, Teaching With Robotics” Workshop 2012**  
*with the work Scandola and Fiorini 2012, for a journal publication*

*Travel Award* **Travel award at the Fechner Day 2012**

*Hackathon Award* **Winner of the 2014 Code4Play Hackathon**  
*In this competition we built a robotic toy controlled remotely through an android application via Internet (more information here: <https://goo.gl/vCuZEp>)*

*Selected Work at the SIRN 2017* **Selected work by the scientific committee at the XVII<sup>th</sup> National Meeting of the SIRN (*Italian Society of Neurologic Rehabilitation*)** at the special section “Robotica, Tecnologie avanzate e Teleriabilitazione” (*Robotics, Advanced Technologies and Tele-rehabilitation*), with the project “Robotica e immaginazione motoria nella riabilitazione dopo lesione spinale” (*Robotics and motor imagery in the rehabilitation of spinal cord injuries*), authored by Avesani R., Scandola M., Salvi L., & Moro V..

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## Membership of Scientific Societies

2015  
*Present day* **SINP** – Ordinary member of the Italian Society of Neuropsychology

2015  
*Present day* **FESN** – Ordinary member of the Federation of the European Societies of Neuropsychology

2015  
*Present day* **SIPF** – Young member of the Italian Society of Psychophysiology

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## Organization of Academic Conferences or Simposia

*Fechner Day 2010* Collaboration in organizing the annual meeting of the International Society for Psychophysics (ISP) held in Padova, Italy in 2010.

*FESN 2015* In collaboration with prof. Valentina Moro, I’ve organized a Symposium entitled “Changes in body, space and action perception following deficits in somatosensory and motor integration ” at the meeting of the Federation of European Societies of Neuropsychology held in Tampere, Finland in 2015.

*FESN 2017* In collaboration with prof. Valentina Moro, I’ve organized a Symposium entitled “Painful and affective touch in neurological diseases ” at the meeting of the Federation of European Societies of Neuropsychology held in Maastricht, the Netherlands in 2017.

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## Major Collaborations

*prof. Valentina Moro, Ph.D.* University of Verona, Verona, Italy  
*prof. Salvatore M.Aglioti, M.D.* University of Rome “La Sapienza”, Roma, Italy

- prof. Olaf Blanke, Ph.D.* Ecole Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland
- prof. Silvio Ionta, Ph.D.* Centre Hospitalier Universitaire Vaudois (CHUV), Lausanne, Switzerland
- prof. Katerina Fotopoulou, Ph.D.* University College of London (UCL), London, Great Britain
- prof. Antonio Frisoli, Ph.D.* School of Advanced Studies, Pisa, Italy
- prof. Giulio Vidotto, Ph.D.* University of Padova, Padova, Italy
- prof. Paolo Fiorini, Ph.D.* University of Verona, Verona, Italy
- dr. Renato Avesani, M.D.* Department of Rehabilitation at the “Sacro Cuore” Hospital in Negrar, Verona, Italy
- dr. Gianettore Bertagnoni, M.D.* “San Bortolo” Hospital in Vicenza, Italy
- dr. Massimo Brambilla, M.D.* “Azienda Ospedaliera della Valtellina e della Valchiavenna” Hospital in Sondalo, Sondrio, Italy
- dr. Carlo Alberto Arcangeli, M.D.* “Giusti Centre”, private institution of physical and rehabilitative medicine, Florence, Italy
- dr. Caterina Pistarini, M.D.* I.R.C.C.S. “Fondazione Salvatore Maugeri”, Scientific Institute in Pavia, Italy
- mr. Aldo Orlandi* “G.A.L.M.” (Gruppo Animazione Lesionati Midollari - *Entertainment Group for people with Spinal Cord Injury*), San Giovanni Lupatoto, Verona, Italy

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## Academic Conferences Attended

- September 16<sup>th</sup>, 2010*    **AAPC 2010 – Alps Adria Psychology Conference**  
*September 18<sup>th</sup>, 2010*    **Organizer:** prof. Herbert Janig  
**Location:** University of Klagenfurt, Klagenfurt, Austria  
**Principal subjects:**  
General psychology, psychophysics, clinical psychology.
- October 7<sup>th</sup>, 2010*    **I Corpi nel Cervello – Prospettive di ricerca nel rapporto tra mente e corpo**  
**Organizers:** prof. Valentina Moro, dr. Renato Avesani  
**Location:** Ospedale “Sacro Cuore - Don Calabria”, Negrar (Verona), Italy  
**Principal subjects:**  
Neuropsychology, Body Image, Body Representation, Body Perception.
- October 19<sup>th</sup>, 2010*    **Fechner Day 2010**  
*October 22<sup>th</sup>, 2010*    **Organizers:** Alessia Bastianelli, Giulio Vidotto, Luca Filipponi, Andrea Spoto, Davide Massidda, David Polezzi, Michele Scandola  
**Location:** University of Padova, Padova, Italy  
**Principal subjects:**  
Psychophysics, perception.
- May 19<sup>th</sup>, 2011*    **CAOs 2011 – Concepts, Actions and Objects**  
*May 22<sup>th</sup>, 2011*    **Organizers:** Alfonso Caramazza, Melvyn Goodale, Bradford Mahon, Alex Martin, Marius Peelen  
**Location:** University of Trento, Rovereto (Trento), Italy  
**Principal subjects:**  
Neuroscience, Concepts, Actions and Objects.
- June 30<sup>th</sup>, 2011*    **CSCA Symposium 2011 – Cognitive Science Center Amsterdam**  
*July 1<sup>st</sup>, 2011*    **Organizers:** Cognitive Science Center Amsterdam  
**Location:** University of Amsterdam, Amsterdam, Holland  
**Principal subjects:**  
Neuropsychology, Impulsivity and Inhibition.
- April 20<sup>th</sup>, 2011*    **TRTWR Workshop 2012 – Teaching Robotics, Teaching with Robotics integrating Robotics in school curriculum**  
**Organizers:** Michele Moro, Dimitris Alimisis  
**Location:** Riva del Garda (Trento), Italy  
**Principal subjects:**  
Robotics, Education.
- May 24<sup>th</sup>, 2012*    **CAOs 2012 – Concepts, Actions and Objects**  
*May 27<sup>th</sup>, 2012*    **Organizers:** Alfonso Caramazza, Melvyn Goodale, Bradford Mahon, Alex Martin, Marius Peelen  
**Location:** University of Trento, Rovereto (Trento), Italy  
**Principal subjects:**  
Neuroscience, Concepts, Actions and Objects.
- October 18<sup>th</sup>, 2012*    **Fechner Day 2012**  
*October 21<sup>th</sup>, 2012*    **Organizers:** Steven R. Carroll, Elena Gallitto, Craig Leth-Steensen, William M. Petrusic, Jordan R. Schoenherr, Dean A. Verger  
**Location:** Elgin Hotel, Ottawa, Canada  
**Principal subjects:**  
Psychophysics, perception.

- May 23<sup>rd</sup>, 2013 **CAOs 2013 – Concepts, Actions and Objects**  
 May 26<sup>th</sup>, 2013 **Organizers:** Alfonso Caramazza, Melvyn Goodale, Bradford Mahon, Alex Martin, Marius Peelen  
**Location:** University of Trento, Rovereto (Trento), Italy  
**Principal subjects:**  
 Neuroscience, Concepts, Actions and Objects.
- November 15<sup>th</sup>, 2013 **SINP 2013 – Annual Meeting of Italian Society of Neuropsychology**  
 May 16<sup>th</sup>, 2013 **Organizers:** Costanza Papagno  
**Location:** University of Milan Bicocca, Milan, Italy  
**Principal subjects:**  
 Neuropsychology.
- May 9<sup>th</sup>, 2013 **CAOs 2014 – Concepts, Actions and Objects**  
 May 11<sup>th</sup>, 2013 **Organizers:** Alfonso Caramazza, Melvyn Goodale, Bradford Mahon, Alex Martin, Marius Peelen  
**Location:** University of Trento, Rovereto (Trento), Italy  
**Principal subjects:**  
 Neuroscience, Concepts, Actions and Objects.
- September 9<sup>th</sup>, 2015 **FESN 2015 – 5<sup>th</sup> Scientific Meeting of the Federation of the European Societies of Neuropsychology**  
 September 11<sup>th</sup>, 2015 **Organizers:** Mervi Jehkonen  
**Location:** Tampere Hall, Tampere (Finland)  
**Principal subjects:**  
 Neuropsychology.
- November 27<sup>th</sup>, 2015 **SINP 2015 – Annual Meeting of Italian Society of Neuropsychology**  
 May 28<sup>th</sup>, 2015 **Organizers:** Patrizia Bisiacchi, Daniela Mapelli, Sara Mondini  
**Location:** University of Padova, Padova, Italy  
**Principal subjects:**  
 Neuropsychology.
- November 29<sup>th</sup>, 2016 **Rappresentazione cerebrale di Corpo, Movimento e Spazio dopo lesioni al midollo spinale – Body, Action and Space brain representation after Spinal Cord Injury**  
**Organizers:** Salvatore M. Aglioti, Valentina Moro  
**Location:** IRCCS “Santa Lucia” Foundation, Rome, Italy  
**Principal subjects:**  
 Cognitive neuroscience, spinal cord injuries.
- September 13<sup>th</sup>, 2017 **FESN 2017 – 6<sup>th</sup> Scientific Meeting of the Federation of the European Societies of Neuropsychology**  
 September 15<sup>th</sup>, 2017 **Organizers:** Annelien Duits, Caroline van Heugten, Rudolph Ponds  
**Location:** Maastricht Exhibition & Congress Centre (MECC), Maastricht (The Netherlands)  
**Principal subjects:**  
 Neuropsychology.
- September 13<sup>th</sup>, 2017 **FESN 2017 – 6<sup>th</sup> Scientific Meeting of the Federation of the European Societies of Neuropsychology**  
 September 15<sup>th</sup>, 2017 **Organizers:** Annelien Duits, Caroline van Heugten, Rudolph Ponds  
**Location:** Maastricht Exhibition & Congress Centre (MECC), Maastricht (The Netherlands)  
**Principal subjects:**  
 Neuropsychology.

*May 25<sup>th</sup>, 2018*

*May 27<sup>th</sup>, 2018*

**MeeTo 2018 – 1<sup>st</sup> from moving bodies to interactive minds**

**Organizers:** Andrea Cavallo, Tiziano Furlanetto, Ilaria Gabbatore, Francesco Iani

**Location:** Aula Magna del Rettorato, Università degli Studi di Torino, Turin (Italy)

**Principal subjects:**

Social Neuroscience, Neuropsychology.

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## Personal skills and competences

*Programming skills* In my research activity I often prepare my experiments in virtual environments (using C++ programming language with OpenGL libraries, Visual C#, or XVR) and my electronical experimental tools using Arduino (programming it through Processing). My technical competencies are not limited to these programming languages, but I also have an intermediate/advanced knowledge in programming languages as PHP and SQL (I used these for preparing a homemade dynamic web questionnaire), Visual Basic (which I usually use for fast-prototyping computer programs), Java and Python.

Here the complete list of programming languages I know:

- Visual C#
- Visual C++
- Visual Basic
- PHP
- Javascript
- SQL
- Python
- Processing
- R
- L<sup>A</sup>T<sub>E</sub>X
- XVR
- Java

*Virtual Reality skills* For Virtual Reality environments I have used:

- videos recorded in stereovision
- animations prepared in Blender
- the XVR programming language
- integration of the 3D animation with Visual C# programming language

*Artistic skills and competences*

- In 1999 I won the third prize “Shakespeare nostro contemporaneo”, a literary prize organized by Alcione theater, in Verona, with an original work based on Shakespeare’s tales.
- In the same year, I was selected to participate in the International Pirandellian Meeting in Agrigento.
- In the 2000 I was member of the Jury of the “David di Donatello” Student’s Prize, an Italian movie prize, connected with the more famous “David di Donatello”.

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## Articles

- Canzano, Loredana, Michele Scandola, Valeria Gobetto, Giuseppe Moretto, Daniela D’Imperio, and Valentina Moro (2016). “The representation of objects in apraxia: from action execution to error awareness”. In: *Frontiers in Human Neuroscience* 10.39. ISSN: 1662-5161. DOI: 10.3389/fnhum.2016.00039. URL: [http://www.frontiersin.org/human%5C\\_neuroscience/10.3389/fnhum.2016.00039/abstract](http://www.frontiersin.org/human%5C_neuroscience/10.3389/fnhum.2016.00039/abstract).
- D’Imperio, Daniela, Michele Scandola, Valeria Gobetto, Cristina Bulgarelli, Matteo Salgarello, Renato Avesani, and Valentina Moro (2016). “Visual and cross-modal cues increase the identification of overlapping visual stimuli in Balint’s Syndrome”. In: *Journal of Clinical and Experimental Neuropsychology*. in press. DOI: 10.1080/13803395.2016.1266307. URL: <http://www.tandfonline.com/doi/full/10.1080/13803395.2016.1266307>.
- Fabiani, Andrea, Massimo Calabrese, Alessandra Filosa, Fabrizio Fioretti, Valentina Maurelli, Michele Scandola, Stefano Andrea Noventa, Flavia Tombolini, Francesco Catanzariti, Lucilla Servi, and Gabriele Mammana (2016). “Explorative surgery for acute scrotal pain: The importance of patient age, side affected, time to surgery and surgeon”. In: *Archivio Italiano di Urologia e Andrologia* 88.2. DOI: 10.4081/aiua.2016.2. URL: <http://dx.doi.org/10.4081/aiua.2016.2.115>.
- Faivre, Nathan, Jonathon Doenz, Michele Scandola, H. Dhanis, Javier Bello Ruiz, Fosco Bernasconi, Roy Salomon, and Olaf Blanke (2016). “Self-grounded vision: hand ownership modulates visual location through cortical beta and gamma oscillations”. In: *Journal of Neuroscience*. DOI: 10.1523/JNEUROSCI.0563-16.2016. URL: <https://doi.org/10.1523/JNEUROSCI.0563-16.2016>.

- Scandola, Michele, Salvatore Maria Aglioti, Claudio Bonente, Renato Avesani, and Valentina Moro (2016). “Spinal cord lesions shrink peripersonal space around the feet, passive mobilization of paraplegic limbs restores it”. In: *Scientific Reports* 6.April, p. 24126. ISSN: 2045-2322. DOI: 10.1038/srep24126. URL: <http://www.nature.com/articles/srep24126>.
- Scandola, Michele, Salvatore Maria Aglioti, Polona Pozeg, Renato Avesani, and Valentina Moro (2016). “Motor imagery in spinal cord injured people is modulated by somato-topic coding, perspective taking and post-lesional chronic pain”. In: *Journal of Neuropsychology*. DOI: 10.1111/jnp.12098. URL: <http://onlinelibrary.wiley.com/doi/10.1111/jnp.12098/abstract>.
- Tidoni, Emmanuele, Michele Scandola, Veronica Orvalho, and Matteo Candidi (2016). “Apparent Biological Motion in First and Third Person Perspective”. In: *i-Perception* 7.5, pp. 1–6. DOI: 10.1177/2041669516669156. URL: <http://journals.sagepub.com/doi/full/10.1177/2041669516669156>.
- Moro, Valentina, Simone Pernigo, Michele Scandola, Maria Mainente, Renato Avesani, and Salvatore Maria Aglioti (2015). “Contextual bottom-up and implicit top-down modulation of anarchic hand syndrome: A single-case report and a review of the literature”. In: *Neuropsychologia* 78, pp. 122–9. ISSN: 1873-3514. DOI: 10.1016/j.neuropsychologia.2015.10.005. URL: <http://www.sciencedirect.com/science/article/pii/S0028393215301834>.
- Ponsi, Giorgia, Maria Serena Panasiti, Michele Scandola, and Salvatore Maria Aglioti (2015). “Influence of Warmth and Competence on the promotion of safe in-group selection: Stereotype Content Model and social categorization of faces”. In: *Quarterly Journal of Experimental Psychology*. DOI: 10.1080/17470218.2015.1084339. URL: <http://dx.doi.org/10.1080/17470218.2015.1084339>.
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- Moro, Valentina, Claudia Dall’Ora, Michele Scandola, and Leonardo Piasere (2014). “La reinvenzione del quotidiano nelle persone con tetraplegia”. In: *AM, Rivista della Società Italiana di Antropologia Medica* 38, pp. 555–579.
- Moro, Valentina, Michele Scandola, Cristina Bulgarelli, Renato Avesani, and Aikaterini Fotopoulou (2014). “Error-based training and emergent awareness in anosognosia for hemiplegia”. In: *Neuropsychological Rehabilitation* 21, pp. 1–24. DOI: 10.1080/09602011.2014.951659. URL: <http://dx.doi.org/10.1080/09602011.2014.951659>.
- Scandola, Michele and Nadia Baltieri (2014). “Scrivere report statistici con R e Sweave”. In: *ArsTecnica* 18, pp. 32–38. URL: <http://www.guitex.org/home/it/numero-18>.
- Scandola, Michele, Emmanuele Tidoni, Renato Avesani, Giovanni Brunelli, Salvatore M Aglioti, and Valentina Moro (2014). “Rubber hand illusion induced by touching the face ipsilaterally to a deprived hand: evidence for plastic ‘somatotopic’ remapping in tetraplegics”. In: *Frontiers in Human Neuroscience* 8.404. ISSN: 1662-5161. DOI: 10.3389/fnhum.2014.00404. URL: [http://www.frontiersin.org/human%5C\\_neuroscience/10.3389/fnhum.2014.00404/abstract](http://www.frontiersin.org/human%5C_neuroscience/10.3389/fnhum.2014.00404/abstract).
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- Scandola, Michele, Lorenzo Grespan, Marco Vicentini, and Paolo Fiorini (2011). “Robot-assisted laparoscopic hysterectomy vs traditional laparoscopic hysterectomy: five meta-analyses”. In: *Journal of the Minimally Invasive Gynecology* 18.6, pp. 705–715. DOI: 10.1016/j.jmig.2011.08.008. URL: <http://dx.doi.org/10.1016/j.jmig.2011.08.008>.
- Scandola, Michele, Alessia Bastianelli, Andrea Spoto, and Giulio Vidotto (2010). “Fear of Cockroaches Questionnaire”. In: *Review of Psychology* 17.2, pp. 111–117. URL: <http://hrcak.srce.hr/70669>.

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## Proceedings

- Scandola, Michele, Sara Pachera, and Valentina Moro (2016). “Recovery of the Peripersonal Space around the feet in complete paraplegics people: phenomenology and autonomic correlates”. In: *XXIV National Congress of the Italian Society of Psychophysiology*, p. 170.

- Bastianelli, Alessia, Marco Vicentini, Michele Scandola, and Paolo Fiorini (2012). “Perception is Nothing Without Control (of Velocity)”. In: *Proceedings of the 28<sup>th</sup> Annual Meeting of the International Society for Psychophysics*, pp. 186–191.
- Hernansanz, Albert, Davide Zerbato, Lorenza Gasperotti, Michele Scandola, Paolo Fiorini, and Alicia Casals (2012a). “Computer assisted training for robotic surgery”. In: *CARS 2012, Computer Assisted Radiology and Surgery 26<sup>th</sup> International Congress and Exhibition*.
- (2012b). “Improving the Development of Surgical Skills with Virtual Fixtures in Simulation”. In: *IPCAI 2012, the 3<sup>rd</sup> International Conference on Information Processing in Computer-Assisted Interventions*.
- Scandola, Michele, Alessia Bastianelli, Marco Vicentini, and Paolo Fiorini (2012). “The Role of Visual-Haptic Delays in Tele-Operation Protocols”. In: *Proceedings of the 28<sup>th</sup> Annual Meeting of the International Society for Psychophysics*, pp. 192–197.
- Scandola, Michele and Paolo Fiorini (2012). “Digital Storytelling Teaching Robotic Basics in a Surgical Robotic Curriculum”. In: *Proceedings of 3<sup>rd</sup> International Workshop Teaching Robotics, Teaching with Robotics Integrating Robotics in School Curriculum Riva del Garda (Trento, Italy)*, pp. 117–124. ISBN: 978-88-95872-05-6.
- Scandola, Michele, Lorenza Gasperotti, Marco Vicentini, and Paolo Fiorini (2012). “The Role of Visual-Haptic Discrepancy in Virtual Reality Environments”. In: *Proceedings of the Haptic Symposium 2012*.
- Scandola, Michele, Marco Vicentini, and Paolo Fiorini (2011). “How force perception changes in different refresh rate conditions”. In: *The 15<sup>th</sup> International Conference on Advanced Robotics*, pp. 322–327.
- Scandola, Michele, Marco Vicentini, Lorenza Gasperotti, Davide Zerbato, and Paolo Fiorini (2011). “Force feedback in psychophysics research: even low performance algorithms may lead to realistic perceptual experience”. In: *Proceedings of the 27<sup>th</sup> Annual Meeting of the International Society for Psychophysics*.
- Scandola, Michele, Alessia Bastianelli, and Elisa Panetta, Maria Giulia Moretto (2010). “A comparison between the adjustment and staircase methods for evaluating body size distortion and dissatisfaction”. In: *Proceedings of the 26<sup>th</sup> Annual Meeting of the International Society for Psychophysics*.

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## Talks

- Moro, Valentina and Michele Scandola (2017). *Risposte corporee ed emozionali al dolore*. Imola (BO), Italy – May, 11<sup>th</sup> 2017.
- Scandola, Michele (2017a). *Emotional Touch after Spinal Cord Injury*. Maastricht, The Netherlands – September, 9<sup>th</sup> 2017.
- (2017b). *Moving in space in a wheelchair the embodiment of one’s own wheelchair and its effects on navigational space representation in people with spinal cord injury*. Turin, Italy.
- (2016). *La plasticità dello Spazio Peripersonale negli esiti di lesione al midollo spinale*. Grosseto, Italy – October, 29<sup>th</sup> 2016.
- (2015a). *La plasticità dello Spazio Peripersonale negli esiti di lesione al midollo spinale*. Padova, Italy – November, 27<sup>th</sup> 2015.
- (2015b). *Rappresentazione del Corpo e dello Spazio dopo Lesione al midollo Spinale*. Verona, Italy – October, 5<sup>th</sup> 2015.
- Scandola, Michele and Valentina Moro (2015). *Effects of expertise on Action Anticipation after Spinal Cord Injury*. Tampere, Sweden – September, 11<sup>th</sup> 2015.
- Scandola, Michele, Emmanuele Tidoni, Luigi Grisoni, Valentina Moro, and Salvatore Maria Aglioti (2013a). *L’illusione della mano di gomma dopo stimolazione del volto in persone con lesione al midollo spinale*. Rome, Italy – March, 13<sup>th</sup>-15<sup>th</sup> 2013.
- (2013c). *The Rubber Hand Illusion after face stimulation in Spinal Cord Injured people*. Brixen, Italy – February, 9<sup>th</sup> 2013.
- Moro, Valentina and Michele Scandola (2012). *Il riconoscimento del volto: riabilitare la prosopagnosia? Face recognition: rehabilitation for prosopagnosia?* Verona, Italy.

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## Posters

- D’Imperio, Daniela, Renato Avesani, M Salgarello, Cristina Bulgarelli, Valeria Gobetto, Michele Scandola, and Valentina Moro (2014). *Simultagnosia nella Sindrome di Balint: uno studio sperimentale*. Poster. Napoli - Italy.
- Ponsi, Giorgia, Michele Scandola, Salvatore Maria Aglioti, and Maria Serena Panasiti (2014). *Warmth-blindness: a tool to promote safe in-group selection*. Poster. Rovereto, Trento, Italy.



Scandola, Michele, Giovanni Brunelli, Renato Avesani, Claudio Bonente, Salvatore Maria Aglioti, and Valentina Moro (2014). *Alterations of the peripersonal space around the feet in paraplegics*. Poster. Rovereto, Trento, Italy.

Scandola, Michele, Emmanuele Tidoni, Luigi Grisoni, Valentina Moro, and Salvatore Maria Aglioti (2013b). *The Rubber Hand Illusion after face stimulation in Spinal Cord Injured people*. Poster. Aegina - Greece.

Verona, June 12, 2018