

CURRICULUM VITAE

Name: Umberto Castiello

Date of Birth:

Sex:

Nationality:

HIGHEST DEGREE

2000 DSc, University of Melbourne, Australia

OTHER QUALIFICATIONS/HONOURS

Prizes Ramacciotti Foundation Award for Outstanding Biomedical Research, 1998.

Other

2014 – Member of the ‘Centro Linceo Beniamino Segre’ at the Accademia dei Lincei.

2012 – Director Neuroimaging laboratory

2012 – 2016 Director Cognitive Neuroscience Center – University of Padova

2007 – 2011 PhD Program Coordinator Experimental Psychology

1998 – Member of the International Association for the study of Attention and Performance.

ACADEMIC APPOINTMENTS

2003 – Professor of Psychobiology and Neuropsychology, University of Padova, Italy.

2000 – 2003 Professor of Psychology, Royal Holloway, University of London, UK.

1997 – 2000 Reader in Psychology, Melbourne University, Australia.

1995 – 1997 Senior Lecturer, Monash University, Australia

1993 – 1995 Professor in Research Methods, University of Urbino, Italy.

1992 – 1995 Professor in Experimental Techniques of Research, University of Bologna, Italy.

RESEARCH APPOINTMENTS

1990 – 1992	Post doctoral research position with Prof. George Stelmach at the Motor Control Laboratory, Department of Exercise Science and Physical Education, Arizona State University, USA.
1988 – 1989	Post doctoral research position with Professor Marc Jeannerod at the Medical Research Institute (INSERM), Lyon, France (1989).
1984 – 1988	Research assistant with Professor Carlo Umiltà at the Institute of Human Physiology, Medical School, University of Parma, Italy.

EDITORIAL WORK

2016 –	Associate Editor Scientific Reports
2014 –	Associate Editor Frontiers Psychology
2003	Guest Editor, Perception (Special issue on ‘Shadows and Illumination’).
1996 – 2000	Consulting Editor, Journal of Experimental Psychology: Human Perception and Performance.

REVIEWER

- Behavioral and Brain Sciences
- Brain and Cognition
- Brain
- Brain Research
- British Journal of Psychology
- Current Biology
- Experimental Brain Research
- Experimental Neurology
- European Journal of Cognitive Psychology
- Journal of Experimental Psychology: Human Perception and Performance
- Journal of Gerontology: Psychological Science
- Journal of Gerontology: Medical Science
- Journal of Motor Behavior
- Journal of Neurology, Neurosurgery and Psychiatry
- Journal of Neurophysiology
- Nature
- Nature Neuroscience
- Nature Reviews Neuroscience
- Neuropsychologia
- NeuroReport

- Neurology
- Neuroscience Letters
- Perception & Psychophysics
- PLoS Biology
- PLoS One
- Psychology and Aging
- Psychological Research
- Psychonomic Bulletin & Review
- Science
- Visual Cognition

REVIEWER FOR THE FOLLOWING GRANT AGENCIES

- Australian Research Council
- BBSRC
- ESRC
- Italian Ministry of Research
- Medical Research Council (UK)
- National Institute of Health (NIH, USA).
- National Health & Medical Research Council of Australia (NH-MRC)
- Natural Sciences and Engineering Research Council of Canada (NSERC, Canada)
- Wellcome Trust

GRANT AWARDED

(2016-2019)	European Commission
(2015)	ANMIL
(2011)	Soremartec foundation
(2010)	Soremartec foundation
(2010 – 2011)	Ministero dell'Università e della Ricerca scientifica
(2008)	Ministero dell'Università e della Ricerca scientifica
(2006 – 2008)	Progetto Ateneo – Università di Padova
(2005 – 2007)	Ministero dell'Università e della Ricerca Scientifica
(2003 – 2005)	Ministero dell'Università e della Ricerca Scientifica
(2002 – 2004)	Royal Society
(2001 – 2003)	Wellcome Trust

(2001 – 2003)	Leverhulme Foundation
(2000)	Australian Research Council
(2000 – 2002)	NH-MRC
(1999)	Ramacciotti Foundation
(1999)	Australian Research Council
(1999 – 2001)	Australian Research Council
(1998)	Merck, Sharp and Dohme
(1998)	Medical Research Council
(1998)	Australian Research Council
(1997 – 1999)	Australian Research Council
(1996)	Merck, Sharp and Dohme
(1996)	Australian Research Council

ORGANISATIONAL SKILLS

2017, April	Organiser (with proff. V. Parma & C. Begliomini) “Handedness facts: from evolution to neuroscience”, International Conference, Accademia Nazionale Dei Lincei Centro Linceo Interdisciplinare «Beniamino Segre», Roma (Italy).
2015, September	Organiser (with prof. R. Rumiati) “Perspectives on (f)MRI imaging at ultrahigh field” Workshop, International School of Advanced Studies (SISSA), Trieste (Italy).
2015, July	Organiser (with prof. L. Finos) “Recent advances in ERP estimation and classification” Talk. Speaker: dr Marco Congedo – CNRS & Grenoble University, Grenoble – France. Polo di Psicologia, Padova.
2015, June	Organiser (with prof. A. Favaro) Corso Base Freesurfer, Polo di Psicologia, Padova.
2015, May	Organiser (with prof. proff. A. Vallesi and M. Zorzi) “Executive functions: from neural bases to cognitive” Workshop. Aula C. Musatti – Polo di Psicologia, Padova.
2015, May	Organiser “Presentazione del libro: Brain Renaissance – From Vesalius to Modern Neuroscience”. Sala delle Edicole, Padova.
2015, May	Organiser (with prof. T. Farroni) “How does attentional control matter? Typical and atypical mechanisms” Talk. Speaker: Prof. Gaia Scerif – University of Oxford, Polo di Psicologia, Padova.

2015, May	Organiser (with proff. A. Vallesi and V. Tarantino) “Time dependent involvement of Posterior Parietal and Prefrontal cortex in a rat auditory parametric working memory task” Talk. Speaker: dr Athena Akrami – Brodylab, Princeton University. Aula C. Musatti – Polo di Psicologia, Padova.
2015, April	Organiser (with prof. M. Zorzi) “Computational Modeling in Cognitive Neuroscience: from Neurons to Robots” Workshop. Aula C. Musatti – Polo di Psicologia, Padova.
2015, April	“Neuromodulation of brain functions in neurological and psychiatric diseases” Workshop. Master Course in Cognitive Neuroscience and Clinical Neuropsychology (CN2). Polo di Psicologia, Padova.
2015, March	Organiser (with prof. A. Megighian) “Il sonno: evoluzione, funzione e patologia - Settimana Mondiale del Cervello (16-22 Marzo)” Seminari sul Sonno, Sala delle Edicole, Padova.
2014, October	Organiser “Neuroanatomy and tractographyWworkshop”. Polo di Psicologia, Padova.
2015, January	Organiser (with prof. P. Sessa) “Tra Neuroni ed Esperienza. Neuroscienze cognitive e genesi di soggettività ed intersoggettività”. Aula C. Musatti – Polo di Psicologia, Padova.
2015, January	Organiser “Statistics in Neuroimaging” Conference, Sala delle Edicole, Padova.
2012, October	Organiser (with dr L. Sartori) “Social Interactions: A comparative approach”, Palazzo Antico del Bo, Padova.
2010, November	Organiser (with dr L. Sartori and prof. C. Umiltà) “Dall’Azione all’Intenzione”, Scuola Galileiana di Studi Superiori, Padova.
2007, February	Organiser (with dr L. Sartori and prof. C. Umiltà) “Cognizione Sociale e Neuroscienze”, Scuola Galileiana di Studi Superiori, Padova.
2005, November	Organiser (with prof. R. Casati) “Shadow cognition/La conoscenza dell’ombra” Workshop, Venezia.
2003	Organiser (with prof. D. Kersten) ‘Shadows from art to neurosciences’ Symposium, Rovereto (TN).
2000 – 2003	Organiser Seminar Series for the Department of Psychology, Royal Holloway – University of London.
1999	Organiser (with prof. Jeff Summers) ‘Movement Disorders Symposium’, APS Conference, Hobart.
1998	Organiser Melbourne University Public Lecture ‘Computing the Brain’. Speaker: Professor Michael Arbib, University of Southern California. Old Pathology Lecture Theatre Friday July 24th.

- 1998 Organiser Seminar Series for the School of Behavioral Science, The University of Melbourne.
- 1997 Organiser 'Perception for Action Lectures'. Guest speakers: Professor Alan Allport, University of Oxford, UK. Professor Marc Jeannerod, University Claude Bernard, Lyon, France, December 10th.
- 1997 Organiser Workshop on Selective Mechanisms of Attention, The University of Melbourne, December 11th.
- 1996 Organiser 'Perception for Action Conference' Monash University.
- 1995 Organiser Seminar Series for the Department of Psychology, Monash University.

MAJOR PUBLICATIONS

BOOKS

- Castiello, U. (2019). *La mente delle piante. Introduzione alla psicologia vegetale*. Bologna: Il Mulino.
- Bonfiglioli, C., & Castiello, U. (2005). *Metodi di indagine in neuroscienze cognitive*. Padova: Piccin Editore.
- Castiello, U. (1996). *Mechanisms of perception for the control of action*. Churchill: Monash University Press.
- Castiello, U. (1995). *Tecniche sperimentali di ricerca*. Padova: Piccin.
- Castiello, U. (1994). *Insights into the Reach to Grasp movement*. Amsterdam: Elsevier, North Holland.

BOOK CHAPTERS

- Castiello, U. (2018). Reach to Grasp Movements: Testing the Cognitive Architecture of Action. In: D. Corbetta & M. Santello (Eds), *The selection and production of goal-directed behaviors: Neural correlates, development, learning, and modeling of reach-to-grasp movements* (pp. 20-32).
- Budisavljević, S., & Castiello, U. (2017). Reaching and Grasping. In: *Reference Module in Neuroscience and Biobehavioral Psychology* (pp. 1-8). Elsevier. Update of: Castiello, U., e Pierno, A. (2009). Reaching and grasping. In: *Encyclopedia of Neuroscience* (pp.23-28). Oxford: Academic Press.
doi: [10.1016/B978-0-12-809324-5.02552-9](https://doi.org/10.1016/B978-0-12-809324-5.02552-9)
- Sartori, L., & Castiello, U. (2011). Incontri prenatali. I feti gemelli e la genesi dell'interazione sociale. In: Autori Vari (Eds), *Psicologia Contemporanea n. 224 - marzo/aprile 2011* (pp. 14-17). Milano: Editrice Giunti.

- Sartori, L., & Castiello, U. (2010). Intenzioni e azioni sociali. In: D. Cavanna & A. Salvini (Eds), *Per una psicologia dell'agire umano. Scritti in onore di Erminio Gius* (pp. 208-218). Franco Angeli Editore.
- Castiello, U., & Ansuini, C. (2009). Kinematic assessment of grasping. In: D. Nowak & J. Hermsdorfer (Eds), *Sensorimotor Control of Grasping* (pp. 128-137). Cambridge:Cambridge University Press.
- Castiello, U., & Pierno, A. (2009). Reaching and grasping. In: *Encyclopedia of Neuroscience* (pp.23-28). Oxford: Academic Press.
doi: [10.1016/B978-008045046-9.01919-7](https://doi.org/10.1016/B978-008045046-9.01919-7)
- Lukos, J., Ansuini, C., Castiello, U., & Santello, M. (2008). Planning and control of object grasping: kinematics of hand pre-shaping, contact and manipulation. In: Y. Hong & R. Bartlett (Eds), *Handbook of Biomechanics and Human Movement Science* (pp. 105-116). London:Routledge.
- Chapman, H., Gavrilesco, M., Kean, M., Egan, G., & Castiello, U. (2004). A neuroimaging study of selection-for-action: a reach-to-grasp study. In: G. W. Humphreys & J. Riddoch (Eds), *Attention in Action: Advances from Cognitive Neuroscience* (pp. 287-302). Hove: Psychology Press.
- Mari, M., Marks, D., Marraffa, C., Margot Prior, & Castiello, U. (2003). Autism and movement disorders. In: U. Frith & E. Hill (Eds), *Autism: Mind and Brain*. Oxford: University Press.
- Castiello, U., Lusher, D., Mari, M., Edwards, M., & Humphreys, G. W. (2002). Observing a human or a robotic hand grasping an object: differential motor priming effects. In: W. Prinz & B. Hommel (Eds), *Mechanisms in Perception and Action - Attention and Performance* (pp. 315-333). Oxford: Oxford University Press.
- Castiello, U. (2000). Orienting attention towards 3-D objects or 2-D shapes: differential interference effects on movement cinematics. In: K. Bennett (Ed.), *Perception and cognition for action* (pp. 29-37), Melbourne: La Trobe University Press.
- Bennett, K., Peppard, R., O` Sullivan, J., McNeill, P., & Castiello, U. (1996). Visuospatial attentional functioning and movement kinematics pre and post pallidotomy. In: U. Castiello (Ed.), *Mechanisms of perception for the control of action*. Melbourne: Monash University Press.
- Castiello, U., Bennett, K., & Scarpa, M. (1994). The reach to grasp movement of Parkinsons disease subjects. In: K. Bennett & U. Castiello (Eds.), *Insights into the reach to grasp movement* (pp. 215-237). Amsterdam: Elsevier.
- Bennett, K., Mucignat, C., Waterman, C., & Castiello, U. (1994). Vision in relation to the reach to grasp movement. In: K. Bennett & U. Castiello (Eds.), *Insights into the reach to grasp movement* (pp. 171-192). Amsterdam: Elsevier.

- Castiello, U., & Stelmach, G. (1993). The coordination of the prehension in a bimanual task: evidence for the specification of unique features. In: S. Swinnen, H. Heuer, J. Massion & P. Casaer (Eds.), *An interlimb coordination: neural, dynamical and cognitive constraints* (pp. 617-631). New York: Universal Academy Press.
- Stelmach, G., & Castiello, U. (1992). Functional force control in Parkinson's disease patients. In: G. Stelmach & J. Requin (Eds.), *Tutorials in motor behavior* (pp. 401-423). Amsterdam: North Holland Press.
- Castiello, U., & Stelmach, G. (1991). Effectors independence in handwriting: a study on normal and prosthetic hand. In: G. Stelmach (Ed.), *Motor control of handwriting*. Tempe: Asu Printing Services.
- Castiello, U., Bompani, R., Nonis, E., & Umiltà, C. A. (1990). Stimolo-risposta compatibilità negli anziani. In: Salmaso & Caffara (Eds.), *Normalità e patologia delle funzioni cognitive nell'invecchiamento* (pp. 63-68). Franco Angeli.

REFEREED ARTICLES

2020

- Bonato, B., & Castiello, U. (2020). Dagli abeti ai piselli. Storie di ordinaria resilienza. *Psiche*, 1/2020. <https://doi.org/10.7388/97198>
- Budisavljevic, S., Castiello, U., & Begliomini, C. (2020). Handedness and White Matter Networks. *The Neuroscientist*, 1073858420937657. <https://doi.org/10.1177/1073858420937657>
- Castiello, U. (2020). (Re)claiming plants in comparative psychology. *Journal of Comparative Psychology*. <https://doi.org/10.1037/com0000239>
- Ceccarini, F., Guerra, S., Peressotti, A., Peressotti, F., Bulgheroni, M., Baccinelli, W., Bonato, B., & Castiello, U. (2020a). Speed-accuracy trade-off in plants. *Psychonomic Bulletin & Review*. <https://doi.org/10.3758/s13423-020-01753-4>
- Ceccarini, F., Guerra, S., Peressotti, A., Peressotti, F., Bulgheroni, M., Baccinelli, W., Bonato, B., & Castiello, U. (2020b). On-line control of movement in plants. *Biochemical and Biophysical Research Communications*. <https://doi.org/10.1016/j.bbrc.2020.06.160>
- Oliva, R., Baiano, M., Salvo, P., Cereser, L., Castiello, U., & Begliomini, C. (2020). Metacognition in individuals recovered from anorexia nervosa: A voxel-based morphometry study. *Psychiatry Research: Neuroimaging*, 304, 111138. <https://doi.org/10.1016/j.pscychresns.2020.111138>
- Oliva, R., Morys, F., Horstmann, A., Castiello, U., & Begliomini, C. (2020). Characterizing impulsivity and resting-state functional connectivity in normal-weight binge eaters. *International Journal of Eating Disorders*, 53(3), 478-488. <https://doi.org/10.1002/eat.23212>

- Albayay, J., Castiello, U., & Parma, V. (2019). Task-irrelevant odours affect both response inhibition and response readiness in fast-paced Go/No-Go task: The case of valence. *Scientific Reports*, 9(1), 19329. <https://doi.org/10.1038/s41598-019-55977-z>
- Betti, S., Castiello, U., Guerra, S., Granziol, U., Zani, G., & Sartori, L. (2019). Gaze and body cues interplay during interactive requests. *PLOS ONE*, 14(10), e0223591. <https://doi.org/10.1371/journal.pone.0223591>
- Betti, S., Chinellato, E., Guerra, S., Castiello, U., & Sartori, L. (2019). Social Motor Priming: When offline interference facilitates motor execution. *PeerJ*, 7, e7796. <https://doi.org/10.7717/peerj.7796>
- Betti, S., Deceuninck, M., Sartori, L., & Castiello, U. (2019). Action Observation and Effector Independency. *Frontiers in Human Neuroscience*, 13. <https://doi.org/10.3389/fnhum.2019.00416>
- Castiello, U., & Dadda, M. (2019). A review and consideration on the kinematics of reach-to-grasp movements in macaque monkeys. *Journal of Neurophysiology*, 121(1), 188–204. <https://doi.org/10.1152/jn.00598.2018>
- Ceccarini, F., & Castiello, U. (2019). Your error in my hand: An investigation of observational posterror slowing. *Psychonomic Bulletin & Review*, 26(1), 298–304. <https://doi.org/10.3758/s13423-018-1495-9>
- Ceccarini, F., Guerra, S., Betti, S., Vergazzini, A., Sartori, L., & Castiello, U. (2019). Changes in corticospinal excitability associated with post-error slowing. *Cortex*, 120, 92–100. <https://doi.org/10.1016/j.cortex.2019.05.015>
- Frighetto, Giovanni, Zordan, M. A., Castiello, U., & Megighian, A. (2019). Action-based attention in *Drosophila melanogaster*. *Journal of Neurophysiology*, 121(6), 2428–2432. <https://doi.org/10.1152/jn.00164.2019>
- Guerra, S., Peressotti, A., Peressotti, F., Bulgheroni, M., Baccinelli, W., D'Amico, E., Gómez, A., Massaccesi, S., Ceccarini, F., & Castiello, U. (2019). Flexible control of movement in plants. *Scientific Reports*, 9(1), 16570. <https://doi.org/10.1038/s41598-019-53118-0>
- Guerra, S., Spoto, A., Castiello, U., & Parma, V. (2019). Sex Differences in Body Ownership in Adults With Autism Spectrum Disorder. *Frontiers in Psychology*, 10. <https://doi.org/10.3389/fpsyg.2019.00168>
- Oliva, R., Morys, F., Horstmann, A., Castiello, U., & Begliomini, C. (2019). The impulsive brain: Neural underpinnings of binge eating behavior in normal-weight adults. *Appetite*, 136, 33–49. <https://doi.org/10.1016/j.appet.2018.12.043>
- Parma, V., Zampieri, M., Castiello, U., & Sartori, L. (2019). Smelling intentions. Can human chemosignals influence the perception of action intentions? *CHEMICAL SENSES*, 44(3), E63–E63.

2018

- Begliomini, C., Sartori, L., Di Bono, M. G., Budisavljević, S., & Castiello, U. (2018). The Neural Correlates of Grasping in Left-Handers: When Handedness Does Not Matter. *Frontiers in Neuroscience*, 12, 192.
doi: [10.3389/fnins.2018.00192](https://doi.org/10.3389/fnins.2018.00192)
- Betti, S., Spoto, A., Castiello, U., & Sartori, L. (2018). Testing rTMS-Induced Neuroplasticity: A Single Case Study of Focal Hand Dystonia. *Neural Plasticity*.
doi: [10.1155/2018/6464896](https://doi.org/10.1155/2018/6464896)
- Betti, S., Zani, G., Granziol, U., Guerra, S., Castiello, U., & Sartori, L. (2018). Look At Me: Early Gaze Engagement Enhances Corticospinal Excitability During Action Observation. *Frontiers in Psychology*, 9, 1408.
doi: [10.3389/fpsyg.2018.01408](https://doi.org/10.3389/fpsyg.2018.01408)
- Betti, S., Zani, G., Guerra, S., Castiello, U., & Sartori, L. (2018). Reach-To-Grasp Movements: A Multimodal Techniques Study. *Frontiers in Psychology*, 9, 990.
doi: [10.3389/fpsyg.2018.00990](https://doi.org/10.3389/fpsyg.2018.00990)
- Budisavljević, S., Dell'Acqua, F., & Castiello, U. (2018). Cross-talk connections underlying dorsal and ventral stream integration during hand actions. *Cortex*.
doi: [10.1016/j.cortex.2018.02.016](https://doi.org/10.1016/j.cortex.2018.02.016)
- Castiello, U., & Parma, V. (2018). Fetal Kinematics: Basic Outcomes and Translational Outlook. *American Chemical Society Chemical Neuroscience*, 9, 165-166.
doi: [10.1021/acscchemneuro.8b00016](https://doi.org/10.1021/acscchemneuro.8b00016)
- Ceccarini, F., & Castiello, U. (2018). The grasping side of post-error slowing. *Cognition*, 179, 1-13.
doi: [10.1016/j.cognition.2018.05.026](https://doi.org/10.1016/j.cognition.2018.05.026)
- Dall'Acqua, T., Begliomini, C., Motta, R., Miotto, D., & Castiello, U. (2018). Effects of intentionality and subliminal information in free-choices to inhibit. *Neuropsychologia*, 109, 28-38.
doi: [10.1016/j.neuropsychologia.2017.11.035](https://doi.org/10.1016/j.neuropsychologia.2017.11.035)
- Dall'Acqua, T., Li, C., Ceccarini, F., Grigoletto, D., Marcolin, G., Paoli, A., & Castiello, U. (2018). Exercise-induced arousal affects free-choices to inhibit. *Psychology of Sport and Exercise*, 35, 89-97.
doi: [10.1016/j.psychsport.2017.11.012](https://doi.org/10.1016/j.psychsport.2017.11.012)
- Parma, V., Sartori, L., & Castiello, U. (2018). Measuring how typical and atypical minds read other's intentions: Comment on "Seeing mental states: An experimental strategy for measuring the observability of other minds" by Cristina Becchio et al. *Physics of Life Reviews*.
doi: [10.1016/j.plrev.2017.11.009](https://doi.org/10.1016/j.plrev.2017.11.009)

2017

- Begliomini, C., Cavallo, A., Manera, V., Becchio, C., Stramare, R., Miotto, D., & Castiello, U. (2017). Potential for social involvement modulates activity within the mirror and the mentalizing systems. *Scientific Reports*, 7(1), 14967.
doi: [10.1038/s41598-017-14476-9](https://doi.org/10.1038/s41598-017-14476-9)
- Betti, S., Castiello, U., Guerra, S., & Sartori, L. (2017). Overt orienting of spatial attention and corticospinal excitability during action observation are unrelated. *PloS ONE*, 12(3), e0173114.
doi: [10.1371/journal.pone.0173114](https://doi.org/10.1371/journal.pone.0173114)
- Budisavljević, S., Dell'Acqua, F., Djordjilovic, V., Miotto, D., Motta, R., & Castiello, U. (2017). The role of the frontal aslant tract and premotor connections in visually guided hand movements. *NeuroImage*, 146, 419-428.
doi: [10.1016/j.neuroimage.2016.10.051](https://doi.org/10.1016/j.neuroimage.2016.10.051)
- Budisavljević, S., Dell'Acqua, F., Zanatto, D., Begliomini, C., Miotto, D., Motta, R., & Castiello U. (2017). Asymmetry and structure of the fronto-parietal networks underlie visuomotor processing in humans. *Cerebral Cortex*, 27(2), 1532-1544.
doi: [10.1093/cercor/bhv348](https://doi.org/10.1093/cercor/bhv348)
- Bulgheroni, M., Camperio-Ciani, A., Straulino, E., Sartori, L., D'Amico, E., & Castiello, U. (2017). Selective reaching in macaques: evidence for action-centered attention. *Animal Cognition*, 20(2), 359-366.
doi: [10.1007/s10071-016-1062-6](https://doi.org/10.1007/s10071-016-1062-6)
- Di Bono, M. G., Begliomini, C., Budisavljevic, S., Sartori, L., Miotto, D., Motta, R., & Castiello, U. (2017). Decoding social intentions in human prehensile actions: Insights from a combined kinematics-fMRI study. *PloS one*, 12(8), e0184008.
doi: [10.1371/journal.pone.0184008](https://doi.org/10.1371/journal.pone.0184008)
- Guerra, S., Spoto, A., Parma, V., Straulino, E., & Castiello, U. (2017). In sync or not in sync? Illusory body ownership in autism spectrum disorder. *Research in Autism Spectrum Disorders*, 41, 1-7.
doi: [10.1016/j.rasd.2017.07.003](https://doi.org/10.1016/j.rasd.2017.07.003)
- Parma, V., Brasselet, R., Zoia, S., Bulgheroni, M., & Castiello, U. (2017). The origin of human handedness and its role in pre-birth motor control. *Scientific Reports*, 7(1), 16804.
doi: [10.1038/s41598-017-16827-y](https://doi.org/10.1038/s41598-017-16827-y)
- Rugani, R., Castiello, U., Priftis, K., Spoto, A., & Sartori, L. (2017). What is a number? The interplay between number and continuous magnitudes. *Behavioral and Brain Sciences*, 40, 39-40.
doi: [10.1017/S0140525X16002259](https://doi.org/10.1017/S0140525X16002259)

2016

- Straulino, E., Scaravilli, T., & Castiello, U. (2016). Dopamine depletion affects communicative intentionality in Parkinson's disease patients: Evidence from action kinematics. *Cortex*, 77, 84-94.
doi: [10.1016/j.cortex.2016.01.016](https://doi.org/10.1016/j.cortex.2016.01.016)
- Straulino, E., Scaravilli, T., Bulgheroni, M., D'Amico, E., & Castiello, U. (2016). It's all in the type of the task: Dopamine modulates kinematic patterns during competitive vs. cooperative interaction in Parkinson's disease. *Neuropsychologia*, 93, 106-115.
doi: [10.1016/j.neuropsychologia.2016.10.008](https://doi.org/10.1016/j.neuropsychologia.2016.10.008)

2015

- Begliomini, C., Sartori, L., Miotto, D., Stramare, R., Motta, R., & Castiello, U. (2015). Exploring manual asymmetries during grasping: a dynamic causal modeling approach. *Frontiers in Psychology*, 6, 167.
doi: [10.3389/fpsyg.2015.00167](https://doi.org/10.3389/fpsyg.2015.00167)
- Betti, S., Castiello, U., & Sartori, L. (2015). Kick with the finger: symbolic actions shape motor cortex excitability. *European Journal of Neuroscience*, 42(10), 2860-2866.
doi: [10.1111/ejn.13067](https://doi.org/10.1111/ejn.13067)
- Chinellato, E., Castiello, U., & Sartori, L. (2015). Motor interference in interactive contexts. *Frontiers in Psychology*, 6, 791.
doi: [10.3389/fpsyg.2015.00791](https://doi.org/10.3389/fpsyg.2015.00791)
- Di Bono, M. G., Begliomini, C., Castiello, U., & Zorzi, M. (2015). Probing the reaching-grasping network in humans through multivoxel pattern decoding. *Brain and Behavior*, 5(11), e00412.
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- 1991**
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- Gentilucci, M., Castiello, U., Corradini, M. L., Scarpa, M., Umiltà, C., & Rizzolatti, G. (1991). Influence of different types of grasping on the transport component of prehension movements. *Neuropsychologia*, 29, 361-378.
doi: [10.1016/0028-3932\(91\)90025-4](https://doi.org/10.1016/0028-3932(91)90025-4)
- Mucignat, C., Castiello, U., Umiltà, C., & Tradardi, V. (1991). Effect of age on the orientation of attention: effect of changing the interval between signal and stimulus. *Bollettino della Societa' Italiana di Biologia Sperimentale*, 67, 521-527.
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- Castiello, U., & Umiltà, C. (1990). Size of the attentional focus and efficiency of processing. *Acta Psychologica*, 73, 195-209.
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- Scarpa, M., Castiello, U., Cevolani, D., Gentilucci, M., Rizzolatti, G., & Umiltà, C. (1989). Kinematic study of reaching-grasping movements. *Bollettino della Societa' Italiana di Biologia Sperimentale*, 65, 1185-1192.
- Castiello, U., & Rizzolatti, G. (1988). Effect of the probability of the appearance of stimulus on voluntary movements of attention. *Bollettino della Societa' Italiana di Biologia Sperimentale*, 64, 1037-1043.
- Castiello, U., & Umiltà, C. (1988). Orienting of attention in volleyball players. *Movimento*, 3, 211-213
- Castiello, U., & Umiltà, C. (1988). Spatial compatibility effect in tennis. *Movimento*, 1, 49-51.
- Castiello, U., & Umiltà, C. (1988). Temporal dimensions of mental effort in different sports. *International Journal of Sport Psychology*, 19, 199-210.
- Castiello, U., & Umiltà, C. (1988). Tennis and attention. *International Journal of Sport Psychology*, 13, 26-33.
- Castiello, U., & Umiltà, C. (1987). Mental effort in the 100 metres and 110 hurdles. *Movimento*, 3, 226-228.

Castiello, U., & Umiltà C (1987). Mental effort in volleyball. *International Journal of Sport Psychology*, 12, 21-26.

Castiello, U., & Umiltà, C. (1987). Spatial compatibility effects in different sports . *International Journal of Sport Psychology*, 18, 276-285.

Castiello, U., & Umiltà, C. (1986). Attention and sport. *International Journal of Sport Psychology*, 5, 35-41.

INVITED ADDRESSES AND COLLOQUIA

Betti, S., Castiello, U., & Sartori, L. (2016). Differential role of spatial attention on motor resonance and complementary actions. *European Society for Cognitive and Affective*. June 23rd-26th, Porto, Portugal.

Castiello, U. (2015). Tavola Rotonda: Attualità delle Neuroscienze Forensi. Introduzione. June 5. Roma, Italy.

Sartori, L., Betti, S., & Castiello, U. (2014). Motor cortex excitability: dissociating emulation and reciprocity. *The 5th Joint Action Meeting*. July, 27th-29th, Berlin, Germany.

Castiello, U. (2012). Ficare il naso nel movimento. *Lettura Magistrale Società Italiana di Neuropsicologia*. November 9-10. Roma, Italy.

Zoia, S., Blason, L., Pezzetta, E., Borean, M., Skabar, A., Bravar, L., & Castiello U. (2008). What can reaching movements in typically developing children tell us about reaching in DCD? *British Psychological Society*. September 1-3. Oxford Brookes University, UK.

Castiello, U. (2008). The neural basis of the reach-to-grasp movement. *XVI Congresso della Società Italiana di Psicofisiologia*. November 27-29. Scuola Superiore Sant'Anna, Pisa, Italy.

Becchio, C. & Castiello U. (2008). Reading motor intentions in another person's eyes. *First Meeting of the Federation of the European Societies of Neuropsychology (ESN)*. September 2-5, Edinburgh, UK.

Relatore al corso di perfezionamento in anatomia clinica dell'app. muscolo-scheletrico polso e mano. May 7-10, 2008. Università di Padova, Italy.

Invited speaker Symposium Cognitive Neuroscience of Social Interaction. *Società Italiana Neuroscienze*. October 13-17, 2007. Firenze, Italy.

Invited speaker Symposium Cognitive Neuroscience of Social Interaction. *Società Italiana Neuroscienze*. September 23-30, 2007. Verona, Italy.

Invited speaker Behavioural Brain Sciences. *1 Experimental Psychology Society Symposium: Attention in Action*. September 13-14, 2002. Birmingham, UK.

Institute of Cognitive Neuroscience. *Symposium on Movement Imitation*. September 13-14, 2002.

Invited speaker Attention & Performance. *XIX meeting*, , July 16-22 2000. Kloster Irsee, Germany.

Institute of Cognitive Neuroscience, 26th of February 2001, University College, London, UK.

Institute of Movement Neuroscience, 7th of December 2000, Institute of Neurology, London, UK.

Invited speaker Active Vision 2000, 11th of September 2000, Royal Holloway, University of London, UK.

Invited address at the Annual Meeting of the Australian Psychological Association. 29 September-3 October, 1999. Hobart, Australia.

Invited Speaker at the Annual Scientific Meeting of the Neuro-Ophthalmology Society of Australia. October 17-18, 1998. Melbourne, Australia.

Max Plank Institute. February, 1998. Munich, Germany.

Functional Imaging Laboratory. February, 1998. London, UK.

Oxford University, October, 1996. Oxford, UK.

Cambridge University, October, 1996. Cambridge, UK.

Oxford University, October, June, 1995. Oxford, UK.

Cambridge University, June, 1995. Cambridge, UK.

Invited speaker: Symposium “Sensorimotor Function of the Hand. March 20-25, 1994. Monte Verita’, Switzerland,.

Invited speaker: Tutorials in Motor Neuroscience. September 15-24, 1990. Ajaccio, France.

CONFERENCE PRESENTATIONS

Guerra, S., Peressotti, A., Peressotti, F., Bulgheroni, M., Ceccarini, F. & Castiello, U. (2019). Il movimento ‘intenzionale’ nelle piante: uno studio cinematografico. *XXV Congresso AIP Sezione Sperimentale*. September 18–20, 2019. Milano-San Raffaele, Italy. Mini-talk.

De Sanctis, T., Tarantino, V., Begliomini, C., Straulino, E., & Castiello, U. (2012). Reach to grasp movements: a combined EEG and kinematic study. *Neural Control of Movement Annual Meeting*. April 23–28, 2012. Venezia, Italy.

Begliomini, C., Nelini, C., Caria, A., & Castiello, U. (2008). Movimento di prensione e dominanza manuale: uno studio fMRI. *Annual Meeting of the Italian Association for Psychology*. Padova, Italy.

Begliomini, C., Smith, A. T., Wall, M. B., & Castiello, U. (2006). Differential AIP activation for precision and whole-hand visually-guided grasping. *Organization of Human Brain Mapping Annual Meeting*. Firenze, Italy.

Begliomini, C., Smith, A. T., Wall, M. B., & Castiello, U. (2006). Precision versus whole-hand visually guided grasping: Is AIP always necessary? *Methods in Mind: the fMRI Experience*. Aston University, Birmingham, UK.

- Sartori, L., Buccioni G., & Castiello U. (2012). When emulation becomes reciprocity. *Neural Control of Movement Annual Meeting*. April 23-29, 2012. Venezia, Italy.
- Parma, V., Tirindelli, R., Bisazza, A., Massaccesi, S., & Castiello, U. (2011). Evidence that the putative human pheromone androstadienone modulates women intrasexual competition: the case of face processing. *Association for Chemoreception Sciences XXXIII Annual Meeting*. April 13-18, 2011. St. Pete Beach, Florida.
- Pellicano, A., Scroli, C., Rubichi, S., Castiello, U., & Nicoletti, R. (2011). The Kinematic Simon Effect. *Proceedings. The Embodied Mind: Motion in Communication and Cognition Research*. April 8-10, 2011. Aachen University, Germany.
- Sartori L., Becchio C., & Castiello U. (2011). The complementary nature of observed actions. *The 4th Joint Action Meeting*. July 07-09, 2011. Vienna, Austria.
- Parma, V., Bulgheroni, M., Scaravilli, T., Tirindelli, R., & Castiello, U. (2010). Implicit odour processing. a way to preserve Parkinson's patients from bradykinesia . *Olfaction & Issues*. November 3-4, 2010. Paris, France.
- Parma, V., Bulgheroni, M., Scaravilli, T., Tirindelli, R., & Castiello, U. (2010). Implicit processing of olfactory stimuli in parkinson's disease patients a way to preserve from bradykinesia and reduced hand aperture. *Dysfunctions & Other Non-Motor Features in Parkinson's Disease & Related Disorders*. December 9-12, 2010. Barcelona, Spain.
- Parma, V., Tornasi, C., Grossi, P., Atzori, M., Perini, P., Calabrese, M., Tirindelli, R., Gallo, P., & Castiello, U. (2008). Olfactory dysfunction in relapsing remitting multiple sclerosis. *18th European Chemoreception Research Organization (ECRO) Meeting*. September 3-7, 2008. Portorož, Slovenia.
- Sartori, L., Becchio, C., Bulgheroni, M., & Castiello, U. (2009). The influence of social intentions on the on-line control of action. *Proceedings of the 3rd Joint Action Meeting*. July 26-28, 2009. Amsterdam, Netherlands.
- Dottavio, G., Nelini, C., Ansuini, C., Zoia, S., Blason, L., Gallese, V. & Castiello U. (2009). Hand movements of monozygotic and dizygotic twins: a kinematic study for early evidence of action planning. *World Congress in Fetal Medicine*. 28th June-2nd July 2009. Portorož, Slovenia.
- Sartori, L., Becchio, C., Bulgheroni, M., & Castiello, U. (2008). Effects of social intention on the control of action. *Proceedings of the XXIX International Congress of Psychology*. July 20-25, 2008. Berlin, Germany.
- Sartori, L., Becchio, C., Bulgheroni, M., & Castiello, U. (2008). Intenzioni sociali e controllo dell'azione. *XIV Congresso Annuale AIP Sezione Sperimentale*. September 18-20, 2008. Padova, Italy.
- Sartori, L., Becchio, C., & Castiello, U. (2008). Basi cinematiche della percezione sociale. *Congresso Di Psicologia Sperimentale*. June 12-14, 2008. Medana, Slovenia.

- Tubaldi, F., Ansuini, C., Tirindelli, R., Castiello, U. (2008). The motor side of odours. *Convegno nazionale della SISS*. 30 June- July, 2008. Milano, Italy.
- Tubaldi, F., Ansuini, C., Tirindelli, R., & Castiello, U. (2008). The motor side of odour. *Congress of European Chemoreception Organisation*. September 3-7, 2008. Portorož, Slovenia.
- Tubaldi, F., Ansuini, C., Tirindelli, R., & Castiello, U. (2008). Men grasp odors better than women do. *International Symposium on Olfaction and Taste/ACChemS Meeting*. July 21-26, 2008. San Francisco, CA, United States.
- Tubaldi, F., Ansuini, C., Tirindelli, R., & Castiello, U. (2008). Odours affect hand posture when grasping. *International Congress of Psychology*. July 20-25, 2008. Berlin, Italy.
- Turella, L., Erb, M., Grodd, W., & Castiello, U. (2008). The execution and observation of grasping movements elicit overlapping activation. *Proceedings of the 14th Annual Meeting Of The Organization For Human Brain Mapping*. June 15-19, 2008. Melbourne, Australia.
- Pierno, A. C., Becchio, C., Tubaldi, F., Turella, L., & Castiello, U. (2007). Social action processing in the medial prefrontal cortex is modulated by gaze. *Neural Control of Movement*. March 25-30, 2007. Seville, Spain.
- Castiello, U., Tubaldi, F., Ansuini, C., Giordano, B., & Grassi, M. Multisensory integration during grasping movements. *Italian Society of Psychophysiology*. 30 November-2 December 2007. Pisa, Italy.
- Pierno, A., Grossi, P., Tubaldi, F., Rinaldi, L., Turella, L., Calabrese, M., Barachino, L., Perini, P., Gallo, P. & Castiello, U. Action observation in early rrrms patients. A functional mri study. *Convegno della Società Italiana di Neurologia*. October 13-17, 2007. Firenze, Italy.
- Pierno, A. C., Balster, J., Ramnani, N., & Castiello, U. (2007). Omission of monetary reward evokes differential activation of the nucleus accumbens only when contingent on behavior. *Cognition and Emotion in Economic Decision Making*. January 26-27, 2007. Rovereto, Italy.
- Ramnani, N., Pierno, A., Balsters, J., & Castiello, U. (2006). Monetary reward error activates the human nucleus accumbens when contingent on behavior. *Neuroscience Society Conference*. October 14-18, 2006. Atlanta, GA, United States.
- Begliomini, C., Caria, A., Grodd, W., & Castiello, U.(2006). La relazione fra tipo di prensione e dimensione dello stimolo: uno studio fMRI. *Congresso nazionale dell'Associazione Italiana di Psicologia - Sezione sperimentale*. Rovereto, Italy.
- Begliomini, C., Smith, A. T., Wall, M. B., & Castiello U. (2006). Differential AIP activation for precision and whole-hand visually-guided Grasping. *Human Brain Mapping – 12th Annual meeting*. June, 2006. Firenze, Italy.
- Begliomini, C., Smith, A. T., Wall, M. B., & Castiello, U. (2005). Prensione e precisione: l'area intraparietale anteriore (AIP) è davvero sempre necessaria? *Congresso nazionale dell'Associazione Italiana di Psicologia - Sezione sperimentale*. Cagliari, Italy.

- Begliomini, C., Smith, A. T., Wall, M. B., & Castiello, U. (2005). Precision vs whole-hand visually guided grasping: is AIP always necessary? *Methods in Mind – The fMRI experience*. September, 2005. Birmingham, UK.
- Chapman, H, Bonfiglioli, C. & Castiello, U. (2004). Distractor processing during selection-for-action. *Cognitive Neuroscience Society*. San Francisco, CA, United States. April 18-20, 2004.
- Brouwer, A. M., Georgiou, I., Glover, S., & Castiello, U. (2005). Adjusting reach to lift movements to sudden visible changes in the target's weight. *ESF-EMBO Symposia on Three-Dimensional Sensory and Motor Space*. October 8-13, 2005. Sant Feliu de Guíxols, Spain.
- Pierno, A. C., Becchio, C., Wall, M., Smith, A. T., & Castiello, U. (2005). Transfer of interfered motor patterns to self from others. *11th Annual Meeting of the Organisation for Human Brain Mapping. NeuroImage*, 26 (Supplement 1), p. S34. June 12-16, 2005. Toronto, Canada.
- Demattè, M. L., Pavani, F., Bonfiglioli, C., & Castiello, U. (2004). Può l'ombra del corpo influenzare la cinematica del movimento? *Congresso di Psicologia Sperimentale*. September 18–20, 2004. Sciacca, Italy.
- Caria, A., Pierno, A., & Castiello, U. (2008). Interazioni e interferenze visuo-acustiche nella ricerca di oggetti. *Congresso di Psicologia Sperimentale*. September 18 – 20, 2004. Sciacca, Italy.
- Pierno, A., Caria, A. & Castiello, U. (2004). *Multisensory Conference*. June 2-5, 2004. Barcelona, Spain.
- Demattè, M. L., Pavani, F., Bonfiglioli, C., & Castiello, U. (2004). Arm shadow shifts affect arm control during pointing. *Multisensory Conference*. June 2-5, 2004. Barcelona, Spain.
- Brouwer, A., Glover, S., & Castiello, U. (2004). Online adjustment to visually indicated changes in object weight. *27th Annual Meeting of The European Conference On Visual Perception (ECPV)*. August 22-26, 2004. Budapest, Hungary.
- Mari, M. & Castiello, U. The impact of mand training through signing on the speech of a child with autism. *Annual Conference of the Experimental Analysis of Behaviour Group (EABG)*. April 5-7, 2004. UCL, London, UK.
- Chapman, H., Egan, G., & Castiello, U. (2004). Modulation of the parietal cortex during selection-for-action. *24th Annual Meeting of the Australian Neuroscience Society*. January 27-30, 2004. Melbourne, Victoria, Australia.
- Chapman, H., Bonfiglioli, C., & Castiello, U. (2004). Distractor processing during selection-for-action. *11th Annual Cognitive Neuroscience Society (CNS) Meeting*. April 18-20, 2004. San Francisco, CA, United States.
- Pavani, F. & Castiello, U. (2003). Vicino all'ombra, vicino al corpo. uno studio sperimentale della relazione fra ombra e schema corporeo. *Congresso Nazionale AIP*. September 22-25, 2003. Bari, Italy.

- Bonfiglioli, C., Taylor, J., & Castiello, U. (2003). Le ombre nell'interazione con gli oggetti. *Congresso Nazionale AIP*. September 22-25, 2003. Bari, Italy.
- Caria, A., Pierno, A. C. & Castiello, U. (2003). Visual Search crossmodale in ambiente virtuale. *Congresso Nazionale AIP*. September 22-25, 2003. Bari, Italy.
- Pierno, A. C., Caria, A. & Castiello, U. (2003). Crossmodal search in a virtual environment. *Cognitive Neuroscience Society 10th Annual Meeting*. March 30-April 1, 2003. New York City, United States.
- Chapman, H., Egan, G., & Castiello, U. (2003) Selection-for-action: An fMRI study. 9th *International Conference on Functional Mapping of the Human Brain*. June 19-22, 2003. New York, United States.
- Patchay, S., Castiello, U., & Haggard, P. (2002). A crossmodal distractor interference in a reach-to-grasp task. *BPS Workshop on Perception and Action*. October 4, 2002. Dundee, UK.
- Patchay, S., Castiello, U., & Haggard, P. (2002). A crossmodal interference effect in grasping objects. *Neuroscience Conference*. November 2002. Orlando, Florida, USA.
- Patchay, S., Castiello, U., & Haggard, P. (2002). Crossmodal interference effect in a grasping task. *Behavioural Brain Sciences 1 Experimental Psychology Society Symposium: Attention in action*. September 13-14, 2002. Birmingham, UK.
- Pierno, A. C., Caria, A., & Castiello, U. (2002). Visual search in a virtual reality environment. *Psypag Conference*. July 22-24, 2002. Cardiff, UK.
- Vogt, S., Allport, A. & Castiello, U. (2002). Cyclical double-step pointing and reaching: New approaches to the study of selection-for-action. *Neuropsychology Conference*. January 2002. Bressanone, Italy.
- Wu, K. K., Allport, A., Castiello, U., & Anderson, V. (2001). Specific deficits in attention for ADHD using the task-set switching paradigm. 48th *Annual Meeting of the American Academy of Child and Adolescent Psychiatry*. September 2001. Hawaii, United States.
- Mari, M., Marks, D, Marraffa, C., Prior, M., & Castiello, U. The reach to grasp movement in autistic children. *International Conference on Autism*. May 2000. Glasgow, UK.
- Wu, K. K., Allport, A., Castiello, U., & Anderson, V. (2000). Specific deficits in attention for ADHD using the task-set switching paradigm. *Annual Meeting of the Cognitive Neuroscience Society*. April 2000. San Francisco, CA, United States.
- Wu, K. K., Allport, A., Anderson, V., & Castiello, U. (2000). Specific deficits in attention for ADHD using the task-set switching paradigm. *Annual Conference of the Australian Society for the Study of Brain Impairment*, May 2000. Melbourne, Australia.
- Wu, K. K., Anderson, V., & Castiello, U. (2000). Specific deficits in attention for ADHD using the task-set switching paradigm. *Annual Conference of the Australian Psychological Society*. October 1999. Hobart, Tasmania.

- Beresford, M., Kritikos, A., & Castiello, U. (2000). Visual-tactile crossmodal distractor effects in the reach-to-grasp movement. *Cognitive Science Conference*. January 28-31, 2000. Melbourne, Australia.
- Egan, G. F., Castiello, U., Bennett, K. M. B., Tochon-Danguy, H. J., Kritikos, A., & Dunai, J. (1999). A 'motor programming' centre for different grasp effectors: A PET study. *Conference on Human Brain Mapping*. June 22-26, 1999. Dusseldorf, Germany.
- Wu, K., Anderson, V., & Castiello, U. (1999). Specific deficits in attention and behavioural inhibition for AD/HD using a task-set switching paradigm. *Australian Psychological Society Meeting*, 29 September-3 October, 1999. Hobart, Tasmania.
- Charlton, J. & Castiello, U. (1999). Kinematics of limb sequencing tasks in subjects with Parkinson's disease. *Experimental Psychology Conference*. April 9-11, 1999. Macquarie University, Sydney, Australia.
- Kritikos, A., Dunai, J., & Castiello, U. (1999). Distractor interference: semantic category or visual form? *Experimental Psychology Conference*. April 9-11, 1999. Macquarie University, Sydney, Australia.
- Castiello, U., Bennett, K. M. B., Egan, G. F., Tochon-Danguy H. J., Kritikos, A., & Dunai, J. (1998). A 'motor programming' centre for different grasp effectors: A positron emission tomography study. *Third Australian Symposium on Functional Brain Mapping*. April 16-17, 1998. Melbourne, Australia.
- Castiello, U., Bennett, K. M. B., Egan, G. F., Tochon-Danguy H. J., Kritikos, A., & Dunai, J. (1998). A 'motor programming' centre for different grasp effectors: A positron emission tomography study. *Annual Australian Experimental Psychology*. April 24-26, 1998. Hobart, Australia.
- McNeill, J., Bennett, K. M. B., & Castiello, U. (1998). Covert orienting of attention within a 3D object. *Annual Australian Experimental Psychology*. April 24-26, 1998. Hobart, Australia.
- Fotiades, A., Dunai, J., Bennett, K. M. B., Rehn, C., Castiello, U., & Kritikos, A. (1998). The orienting of attention to a moving perceived three-dimensional object. *Annual Australian Experimental Psychology*. April 24-26, 1998. Hobart, Australia.
- Dunai, J., Bennett, K. M. B., Fotiades, A., Castiello, U. & Kritikos, A. (1998). Covert orienting of attention within a moving 3D object in unilateral Neglect. *Annual Australian Experimental Psychology*. April 24-26, 1998. Hobart, Australia.
- Kritikos, A., Castiello, U., Bennett, K. & Dunai, J. (1998). Perceptual Interference From Distractors In Reach-To-Grasp Movements. *Annual Australian Experimental Psychology*. April 24-26, 1998. Hobart, Australia.
- Bennett, K. M. B., Peppard, R. F., O'Sullivan J. D., McNeill, P. M. & Castiello, U. (1997). Unilateral pallidotomy: effects upon attention and movement kinematics. *22th International Symposium on Parkinson's Disease*. March 23-26, 1997. London, UK.

- Castiello, U. (1997). Differential attentional coding for three-dimensional objects and two dimensional shapes. *Experimental Psychology Conference*. April 3-5, 1997. Geelong, Victoria, Australia.
- Castiello, U. & Bennett, K. M. B. (1997). Temporal coordination of the reach to grasp movement with simultaneous perturbation of target position and size. *Experimental Psychology Conference*. April 3-5, 1997. Geelong, Victoria, Australia.
- Bennett, K. M. B., Thomas, J., Jervis, C., & Castiello, U. (1997). The effects of the semantic relationship between stimuli upon the kinematics of the bilateral reach to grasp movement. *Experimental Psychology Conference*. April 3-5, 1997. Geelong, Victoria, Australia.
- Castiello, U., Bonfiglioli, C., & Bennett, K. M. B. (1996). Is covert visuospatial attention the neuromodulator for the selection for action process? *Experimental Psychology Conference*. April 11-15, 1997. Perth, Australia.
- Castiello, U., Bonfiglioli, C., & Bennett, K. M. B. (1996). How perceived object dimension influences prehension. *Experimental Psychology Conference*. April 11-15, 1997. Perth, Australia.
- Bennett, K. M. B. & Castiello, U. (1996). Three dimensional covert attentional functions in Parkinson's disease subjects. *Experimental Psychology Conference*. April 11-15, 1997. Perth, Australia.
- Bennett, K.M.B. & Castiello, U. (1996). Motor noise filtering in the script writing of medieval monks. *Experimental Psychology Conference*. April 11-15, 1997. Perth, Australia.
- Castiello, U. Differential attentional coding for three-dimensional objects and two dimensional shapes. *Experimental Psychology Conference*. April 11-15, 1997. Perth, Australia.

PUBLISHED CONFERENCE ABSTRACTS

- Sartori, L., Betti, S., & Castiello, U. (2015). Complementary actions: Novel perspectives. *Cognitive Processing*, 16.
doi:[10.1007/s10339-015-0732-7](https://doi.org/10.1007/s10339-015-0732-7)
- Sartori, L., Camperio-Ciani, A., Bulgheroni, M., & Castiello, U. (2015). Reach-to-Grasp in Naturalistic Settings: A Kinematic Approach. *Folia Primatologica*, 86, 351-352.
doi: [10.1159/000435825](https://doi.org/10.1159/000435825)
- Tacchino, A., Brichetto, G., Pedullà, L., Cavallo, A., Ansuini, C., Sartori, L., Castiello, U., Battaglia, M. A., & Becchio, C. (2014). Social Cognition Decline in Multiple Sclerosis. Evidences from Intention Recognition. *Consortium of Multiple Sclerosis Centers (CMSC)*, May 28th-31st, Dallas, Texas.
- Marangon, M., Bucchioni, G., Massacesi, S., & Castiello, U. (2013). Anticipating the course of an action: evidence from corticospinal excitability. 18th Meeting of the European Society for Cognitive Psychology, August 29th-September 1st, Budapest, Hungary.

- Begliomini, C., Cavallo, A., Becchio, C., Sartori, L., Parma, V., & Castiello, U. (2011). Detecting social intentions. *Cognitive Neuroscience Society Annual Meeting*. April 2-5, 2011. San Francisco, CA, United States.
- Begliomini, C., Caria, A., Grodd, W., & Castiello, U. (2010). Grasping-related activity in the human brain: the role of hand and handedness. *Organization of Human Brain Mapping Annual Meeting*. Barcelona, Spain.
- Kuria, E. N., Sartori, L., Castiello, U., & Rumiati, R. I. (2008). Gender stereotype priming on reaching and grasping actions. *International Journal of Psychology*, 43(3-4), 461.
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