

Prof. ALBERTO GALLACE, PhD

http://www.psicologia.unimib.it/03_persono/scheda_personale.php?personId=61

Positions

- Feb 2019 – present **Scientific Director** of the research center Mind and Behavior Technological Center (Mibtec, www.mibtec.it), University of Milano-Bicocca, Milan, Italy
- Mar 2017 – present **Associate Professor in Psychobiology and Physiological Psychology**
Department of Psychology, University of Milano-Bicocca, Milan, Italy
- Sep 2007-Mar 2017 **University Lecturer in Psychobiology and Physiological Psychology**
Department of Psychology, University of Milano-Bicocca, Milan, Italy
- Jan 2007-Jan 2008 **Junior Research Fellow**
Wolfson College, Oxford, UK
- Oct 2005-Sep 2007 **Post-Doctoral Research Scientist**
Department of Experimental Psychology, Oxford University,

Oxford, UK

Education

- Feb 2006 **Doctoral degree in Cognitive Neurosciences**
University of Milano-Bicocca, Milan, Italy.
Title of the thesis: The neurocognition of spatial representations.
- Oct 2003-2005 **Visiting PhD student,**
Department of Experimental Psychology,
Oxford University, Oxford, UK.
- Nov 2001-2005 Attending the 4-year PhD program in **Cognitive Neuroscience**
Università degli Studi di Milano-Bicocca - Department of Psychology,
Milano, Italy.
Supervisor: Prof. Giuseppe Vallar
- Feb 2001-2002 **Training in Psychology**
1) Research assistant to Prof. Giuseppe Vallar, conducting experimental
studies concerning spatial representation and visual illusions in neglect
patients and neurologically-normal participants - Università degli Studi di
Milano Bicocca, Milano, Italy.
2) Training in neurological assessment and rehabilitation:
neuropsychological testing of patients affected by brain damage and
dementia diseases - I.R.C.C.S Don Gnocchi, Milano, Italy.
- Dec 2000 **Degree in Experimental Psychology**
Università degli Studi di Padova, Padova, Italy (note that the course was 5
years long and the qualification covers the equivalent of both a BA and
MA status in Italy).
Final dissertation: *Global and local information processing in unilateral
neglect: A neuropsychological and experimental study.* (mark: 110/110
cum laude).
- June 1994 **Maturità scientifica (High school diploma in science)**
Liceo Scientifico Galileo Galilei, Legnano, Milano, Italy (mark: 50/60).

Scholarship

- 1996-2000 Scholarship from University of Padua, Padova, Italy
- 2001-2005 Scholarship from University of Milano-Bicocca, MIUR, Italy

Research grants

- 2007-2009 PRIN - National Interest Research Projects, Italy (co-investigator). The role
of spatial representations in cognitive processes (82.000 Euros).

- Sept- 2010-Feb 2011 Scientific Coordinator of the Extra-Plus Grant, founded by Cariplo, Italy (4.500 Euros).
- 2011-2014 Australian National Health & Medical Research Council (NHMRC) Project Grant, Australia (associate investigator). Refining and testing a promising new treatment for chronic pain (595.392 AU\$).
- 2011 FAR – [Italian institutional funding for research] Fondi di Ateneo per la Ricerca (principal investigator). The effect of controlling a virtual arm on somatosensory processing and physiological variables. University of Milano-Bicocca, Italy (3.450 Euros)
- Dec- 2011- Dec 2014 Projects in behavior, law and social sciences by CARITRO foundation (principal investigator). Experimental study on tactile and multisensory aesthetic judgments in sighted and visually-impaired individuals (114.000 Euros).
- 2013-2014 [Italian institutional funding for research] Fondi di Ateneo per la ricerca (principal investigator) University of Milano-Bicocca, Italy (1.850 Euros).
- 2014-2015 SenseLab: A behavioral research lab for sensory market (co-investigator). CERMES, Commercial University Luigi Bocconi, Milan, Italy (12.000 Euros).
- 2015-2016 [Bicocca University competitive research fundings*] Fondo di Ateneo per la Ricerca – Quota competitiva (Principal investigator), University of Milano-Bicocca, Italy (25.000 Euros).
- 2016-2018 [National Interest Projects] Progetti di ricerca di Rilevante Interesse Nazionale (PRIN), Italy (co-investigator). Unlocking the memory of the body: Virtual Reality in Anorexia Nervosa. (223.400 Euros).
- 2017-2020 FoodNet project, (Unit Coordinator), Regione Lombardia, Italy, (2 Million Euros).
- 2019-2021 [Bicocca University competitive research fundings*] Fondi di Ateneo per la Ricerca Quota Competitiva (Principal investigator), University of Milano-Bicocca, Italy (25.000 Euros).
- 2019 [University funding for Scientific Events organization] Fondi per Organizzazione evento Meet ME Tonight 2019 (Scientific Coordinator), University of Milano Bicocca (1100 Euros).
- 2019-2023 [National Program for Excellence Departments] Progetto dei dipartimenti di eccellenza (Member of Governance board), Miur, Italy (11.000.000 Euros)
- 2021-2023 [Bicocca University competitive research fundings*] Fondi di Ateneo per la Ricerca Quota Competitiva (Principal investigator), Dance-Po. Data intensive Approach to the Nexus Climate-Emissions: the Po valley. University of Milano-Bicocca, Italy (25.000 Euros).
- 2021-2023 [Bicocca University competitive research fundings*] Fondi di Ateneo per la Ricerca Quota Competitiva (Associate investigator), REconceptualising the OCEAN as a means to reshape behaviours towards the marine environment. University of Milano-Bicocca, Italy (25.000 Euros).

*= University competitive funding assigned to projects submitted in the current year that were evaluated in the top 10% rank but not funded by EU or Italian/international funding institutions. Can be assigned only every two years.

Research projects eligible for funding but not funded

- Horizon 2020. FetOpen 2014-2015 RIA. e-MBODIED Health, The regulation of human homeostasis through the structuration, augmentation and/or Replacement of Bodily Self-Consciousness (Unit coordinator). Evaluation: 4.9/5 (requested: 3.900.000 Euros).

Research funding from private companies

- 2018-2019 Biokosmes s.r.l. (13.000 euros) Principal investigator
- 2018-2019 Biokosmes s.r.l. (24.000 euros) Principal investigator
- 2019-2020 Fem2Ambiente (6000 euros) Principal investigator

Prizes

- VES best paper award: Design of a Directional Olfactory Display to Study the Integration of Vision and Olfaction (\$ 2000).
- Cover of the journal 'Pain' (Volume 152, Issue 6, June 2011), for the article 'Gallace, Torta, Moseley & Iannetti. (2011). The analgesic effect of crossing the arms.

University teaching experience

- 2007-2008 Practical classes: Neuropsychological assessment (20 hours), University of Milano-Bicocca, Italy
- 2008-2009 Experimental Neuropsychology (24 hours), University of Milano-Bicocca, Italy
- 2008-2009 Neuropsychology (24 hours), University of Milan-Bicocca, Italy
- 2009-2010 Neuropsychological assessment and rehabilitation (36 hours), University of Milano-Bicocca, Italy
- 2010-2011 Psychobiology (32 hours), University of Milan-Bicocca, Italy
- 2011-2012 Neuropsychological assessment and rehabilitation (40 hours), University of Milan-Bicocca, Italy
- 2012-2013 Psychobiology of behavioural disorders (32 hours), University of Milan-Bicocca, Italy
- 2012-2013 Neuropsychological assessment and rehabilitation (32 hours), University of Milan-Bicocca, Italy
- 2013-2014 Psychobiology of behavioural disorders (32 hours), University of Milan-Bicocca, Italy
- 2013-2014 Neuropsychological assessment and rehabilitation (32 hours), University of Milan-Bicocca, Italy
- 2014-2015 Psychobiology of behavioural disorders (32 hours), University of Milan-Bicocca, Italy
- 2014-2015 Psychobiology of life-span (16 hours), University of Milan-Bicocca, Italy
- 2014-2015 Consumer Neuroscience (24 hours), Commercial University Luigi Bocconi, Milan, Italy
- 2014-2015 Neuropsychology of Pain (4 hours), [Post-graduate school in Neuropsychology] Scuola di Specializzazione in Neuropsicologia, University of Milan-Bicocca, Italy
- 2015-2016 Methods for neuropsychological assessment and rehabilitation (12 hours) University of Milan-Bicocca, Italy
- 2015-2016 Consumer Neuroscience (20 hours), Università Commerciale Luigi Bocconi, Milano
- 2015-2016 Neuropsychology of Pain (4 hours), [Post-graduate school in Neuropsychology] Scuola di Specializzazione in Neuropsicologia, Università di Milano-Bicocca, Italy

- 2016-2017 Applied cognitive Neuroscience (32 hours) Università di Milano-Bicocca, Italy
- 2016-2017 Consumer Neuroscience (24 hours), Università Commerciale Luigi Bocconi, Milano
- 2016-2017 Haptics (4 hours), Department of Mechanical Engineering, Politecnico di Milano, Italy
- 2017-2018 Psychobiology of behavioural disorders (56 hours), University of Milan-Bicocca, Italy
- 2017-2018 Neuropsychological methods in the study of behaviour (24 hours) University of Milan-Bicocca, Italy
- 2017-2018 Applied cognitive Neuroscience (32 hours), Università di Milano-Bicocca, Italy
- 2017-2018 Basics of Interaction Design (24 hours), Politecnico di Milano, Italy
- 2018-2019 Applied Neuroscience (56 hours), Università di Milano-Bicocca, Italy
- 2018-2019 Psychobiology of behavioural disorders (56 hours), University of Milan-Bicocca, Italy
- 2018-2019 Basics of Interaction Design (24 hours), Politecnico di Milano, Italy
- 2018-2019 Consumer Neuroscience (24 hours), Università Commerciale Luigi Bocconi, Milano
- 2018-2019 Neuropsychology of Pain (4 hours), [Post-graduate school in Neuropsychology] Scuola di Specializzazione in Neuropsicologia, University of Milan-Bicocca, Italy
- 2019-2020 Basics of Interaction Design (24 hours), Politecnico di Milano, Italy
- 2019-2020 Psychobiology of behavioural disorders (56 hours), University of Milan-Bicocca, Italy
- 2019-2020 Consumer Neuroscience (24 hours), Università Commerciale Luigi Bocconi, Milano
- 2019-2020 Applied Neuroscience (56 hours), Università di Milano-Bicocca, Italy
- 2020-2021 Basics of Interaction Design (24 hours), Politecnico di Milano, Italy
- 2020-2021 Psychobiology of behavioural disorders (56 hours), University of Milan-Bicocca, Italy
- 2020-2021 Applied Neuroscience in food research (4 hours), Master [Food and Society] Cibo e Società, University of Milan-Bicocca, Italy
- 2020-2021 Multisensorial Integration & Human Mind Design (4 hours), Master User Experience and Psychology, Università Cattolica del Sacro Cuore, Milan, Italy.
- 2020-2021 Applied Neurosciences and New Technologies (4 hours), Master [Digital Health: communication and innovation] salute digitale: comunicazione e innovazione, University of Milan-Bicocca, Italy
- 2020-2021 Applied Neuroscience (56 hours), Università di Milano-Bicocca, Italy
- 2021-2022 Applied Neuroscience (56 hours), Università di Milano-Bicocca, Italy
- 2021-2022 Psychobiology of behavioural disorders (56 hours), University of Milan-Bicocca, Italy
- 2021-2022 Psychology, Psychosomatic and Behavioural Sciences (12 hours), Master in Rehabilitation of Musculoskeletal disorders, University of Genova, Italy. [to-be-accomplished]

[All of the above courses received evaluations above university average – 7 out of 10 - from the students enrolled]

Achievements

- 2017 [National qualification for the title of ‘full professor’ of Psychobiology and Physiological Psychology] Abilitazione scientifica nazionale MPSI02 per professore di prima fascia, Italy.

Academic responsibilities

- 2012-present Permanent member of the thesis organization committee at Department of Psychology, University of Milan-Bicocca, Italy
- 2011-present Supervisor of 6 PhD students, 7 postdoctoral researchers, over 50 graduate and undergraduate students
- March 2015. Member of the evaluation committee of the PhD candidates, Università Cattolica, Milan, Italy
- January 2018-present **Member of the governance board** for the Project ‘Excellence Departments MIUR’, Dipartimento di Psicologia, University of Milan-Bicocca
- January 2018-present **Member of the scientific board** of the interdepartmental research center Best4Food (Bicocca Center of Science and Technology for Food), University of Milano Bicocca
- April 2018-present **Vice-director of the interdepartmental research center Best4Food**, University of Milano Bicocca
- Feb 2019-present **Scientific Director of the Mind and Behaviour Technological Research Centre** (MibTec), www.mibtec.it/en Department of Psychology, University of Milan-Bicocca
- July 2021-present **Scientific Representative** of the University of Milano-Bicocca for the **Tech-for-Life** (technologies for living environments TAV) Lombardia Regional Cluster
- July 2021-present Member of the working group for the University of **Milano-Bicocca Green Regeneration Plan**.
- July 2021-present Member of University of Milano Bicocca academic committee for **PNRR** (National Plan for Recovery and Resilience) academic project actions (action theme representative for ‘Ecosistemi dell’ Innovazione’; action ‘Human Factors in New Technologies’)
- September 2021-present Member of the Department of Psychology Committee for **PNRR** project actions.

Bibliometric data (source: WebofScience – SCOPUS – Google Scholar) 5-01-2022

- H-Index: 28 – 32 – 40
- Citations: 3136 – 3756 – 6466
- Papers: 86 – 100 – 132

Memberships

- Member of the Tactile Research Group, USA
- Member of the Technical Committee on Haptics, USA
- Member of Neuromi, Milan, Italy
- Member of Best4Food, Milan, Italy
- [expired 2015] Member of British Psychological Society

Reviewer for the following journals

- Acta Psychologica
- Animal Cognition
- Applied Ergonomics
- Canadian Journal of Experimental Psychology
- Cerebral Cortex
- Consciousness & Cognition
- Cognition
- Cortex
- Current Biology
- Developmental Reviews
- Experimental Brain Research
- Frontiers in Psychological Science
- Journal of Cognitive Neuroscience
- Journal of Experimental Psychology: Human Perception & Performance
- Journal of Neuroscience Methods
- International Journal of Industrial Ergonomics
- Memory
- Neurocase
- Neuropsychologia
- Neuroscience & Biobehavioral Reviews
- Pain
- Perception
- Progress in Neurobiology
- Plos one
- Proceedings of the National Academy of Science (PNAS), USA
- Science
- Social Psychology
- The Journal of Neuroscience

Conferences and summer/winter schools organization

Technical Editor of the Program Committee of Eurohaptic 2014, June 24-26, Versailles, France.

Member of the Program Committee of the Workshop on Affective Touch (WAT'15), September 21st, Xi'an, China.

Member of the Organizing committee: Pain in Motion III edition - University Campus of Savona (Italy) - 31 May - 2 June 2019.

Member of the Organizing committee: Human Factors in Portable and Wearable Technologies, Winter School (Lake Como Advanced Studies School, Italy 27-31 January 2020).

Member of the Organizing committee and **Course Director**: Building the new everything: human factors in virtual reality, Summer School (University of Milano Bicocca, Italy 13-17 September 2021).

Grant/award reviewer

- 2019-present [National Expert] Esperto tecnico-scientifico REPRISE (Decreto Ministeriale 13 giugno 2016 n. 380 e ss.mm.ii.), gestito dal MIUR Ministero dell'Istruzione, dell'Università e della Ricerca [Italian Ministry of University and Research]
- Project reviewer, ARS01_00307, BraVI, MIUR 2021
- Project reviewer, Swedish Research Council, August 2021
- Expert Project Reviewer for Research Executive Agency, Horizon 2020, Project EMOTIVE, Brussel, December 2019
- Expert Project Reviewer for Research Executive Agency, Horizon 2020, Project EMOTIVE, Glasgow October 2019
- Expert Project Reviewer for Research Executive Agency Horizon 2020, Project EMOTIVE, Glasgow January 2017
- Evaluator for the 'GiovedìScienza' Prize for young investigators 2015, Centroscienza, Turin, Italy
- Reviewer for The Netherlands Organisation for Scientific Research (NWO): Vidi grant 2014, The Netherlands
- Reviewer for The Economic and Social Research Council (ESRC) research grant 2014, UK
- Reviewer for The Leverhulme Trust Grant 2014, UK
- Reviewer for Scientific Independence of young Researchers (SIR) 2014, Miur, Italy
- Reviewer for The Economic and Social Research Council (ESRC) research grant 2013, UK
- Reviewer for Futuro in Ricerca (FIRB) 2013, MIUR, Italy
- Reviewer for National Interest Research Projects (PRIN) 2012 MIUR, Italy
- Reviewer for Perception, Action, and Cognition program (2012), National Science Foundation, Virginia, USA.
- Reviewer for The Netherlands Organisation for Scientific Research (NWO-WOTRO 2008), The Netherlands
- Reviewer for Netherlands ICT Research and Innovation Authority (2009), The Netherlands
- Reviewer for The Netherlands Organisation for Scientific Research: Innovational Research Incentive Scheme (Vici 2010), The Netherlands

Languages

- Italian mother tongue
- Excellent knowledge of written and spoken English & French
- Basic knowledge of written and spoken Spanish
- Good knowledge of written Latin

Computing skills

- Experienced Matlab programmer
- Basic knowledge of Basic, C, and Python programming languages
- Basic knowledge of Unity 3D graphic engine

- Basic knowledge of Arduino boards
- Confident use of the brain mapping software MRiCro
- Confident use of the following software packages: MS Word, MS Excel, MS PowerPoint, Adobe Photoshop, Adobe Acrobat, Endnote, Corel Draw, Corel PhotoPaint, Statistica, SPSS, Open Office suite
- Basic knowledge of the Linux environment

Publications

-2005-

- Gallace, A., & Spence, C. (2005).** Examining the crossmodal consequences of viewing the Müller-Lyer illusion. *Experimental Brain Research*, **162**, 490-496.
- Gallace, A., & Spence, C. (2005).** Visual capture of apparent limb position influences tactile temporal order judgments. *Neuroscience Letters*, **379**, 63-68.
- Gallace, A., Tan, H. Z., & Spence, C. (2005).** Tactile change detection. In: *Proceeding of the First Worldhaptic Conference WHC 2005* (pp. 12-16). Washington, DC: IEEE Computer Society.
- Gallace, A., Martelli, M., & Daini, R. (2005).** Poggendorff bridges Müller-Lyer and rod and frame. *Perception*, **34** (supplement), 105.
- Gallace, A., Tan, H. Z., & Spence, C. (2005).** Change blindness as a multisensory phenomenon: Evidence from tactile change detection. *Abstracts of the Psychonomic Society*, **10**, 89.

-2006-

- Gallace, A., Tan, H. Z., & Spence, C. (2006).** Numerosity Judgments for Tactile Stimuli Distributed over the Body Surface. *Perception*, **35**, 247-266.
- Gallace, A., Tan, H. Z., & Spence, C. (2006).** The failure to detect tactile change: A tactile analogue of visual change blindness. *Psychonomic Bulletin and Review*, **13**, 300-303.
- Gallace, A., Auvray, M., Tan, H. Z., & Spence, C. (2006).** Visual transients impair the detection of tactile changes: A novel case of crossmodal change blindness? *Neuroscience Letters*, **398**, 280-285.
- Gallace, A., & Spence, C. (2006).** Multisensory synaesthetic interactions in the speeded classification of visual size. *Perception & Psychophysics*, **68**, 1191-1203.

-2007-

- Gallace, A., Auvray, M., & Spence, C. (2007).** The modulation of haptic line bisection using a visual illusion and optokinetic stimulation. *Perception*, **36**, 1003-1018.

Gallace, A., Tan, H. Z., & Spence, C. (2007). Do 'mudsplashes' induce tactile change blindness? *Perception & Psychophysics*, **69**, 477-486.

Gallace, A., Tan, H. Z., & Spence, C. (2007). Multisensory numerosity judgments for visual and tactile stimuli. *Perception & Psychophysics*, **69**, 487-501.

Gallace, A., Tan, H. Z., & Spence, C. (2007). The body surface as a communication system: The state of art after 50 years of research. *Presence: Teleoperators and Virtual Environments*, **16**, 655-676.

Auvray, M., **Gallace, A., Tan, H. Z., Spence, C. (2007).** Crossmodal change blindness between vision and touch. *Acta Psychologica*, **126**, 79-97

Spence, C., & **Gallace, A., (2007).** Recent developments in the study of tactile attention. *Canadian Journal of Experimental Psychology*, **61**, 196-207.

-2008-

Gallace, A., Imbornone, E., & Vallar, G. (2008). When the whole is more than the sum of the parts: Evidence from visuospatial neglect. *Journal of Neuropsychology*, **2**, 387-413.

Gallace, A., & Spence, C. (2008). The cognitive and neural correlates of "tactile consciousness": A multisensory perspective. *Consciousness and Cognition*, **17**, 370-407.

Gallace, A., Tan, H. Z., Haggard, P., & Spence, C. (2008). Short term memory for tactile stimuli. *Brain Research*, **1190**, 132-142.

Gallace, A., Tan, H. Z., & Spence, C. (2008). Can tactile stimuli be subitized? An unresolved controversy within the literature on numerosity judgments. *Perception*, **37**, 782-800.

Gallace, A., Soto-Faraco, S., Dalton, P., Kreukniet, B., & Spence, C. (2008). Response requirements modulate tactile spatial congruency effects. *Experimental Brain Research*, **191**, 171-186.

Gallace, A., & Spence, C. (2008). *A memory for touch: The cognitive science of tactile memory*. In: E. Chatterjee (Ed.). *Touch in Museums: Policy and practice in object handling* (pp. 163-186). Oxford: Berg.

Auvray, M., **Gallace, A., Tan, H. Z., & Spence, C. (2008).** Tactile and visual distractors induce change blindness for tactile stimuli presented on the fingertips. *Brain Research*, **1213**, 111-119.

Hartcher O'Brian, J., **Gallace, A., Krings, B., Koppen, C., & Spence, C. (2008).** Extending the Colavita effect: When vision 'extinguishes' touch in neurologically-normal people. *Experimental Brain Research*, **186**, 643-658.

Moseley, L., **Gallace, A., & Spence, C. (2008).** Is mirror therapy all it is cracked up to be? Current evidence and future directions. *Pain*, **138**, 7-10.

Moseley, L., Olthof, N., Venema, A., Don, S., Wijers, M., **Gallace, A.**, & Spence, C. (2008). Psychologically induced cooling of a specific body part caused by the illusory ownership of an artificial counterpart. *Proceedings of the National Academy of Sciences (PNAS) USA*, **105**, 13168-13172.

Spence, C., & **Gallace, A.** (2008). *Making sense of touch*. In: E. Chatterjee (Ed.). *Touch in Museums: Policy and practice in object handling* (pp. 21-40). Oxford: Berg.

- 2009 -

Gallace, A., & Spence, C. (2009). The cognitive and neural correlates of tactile memory. *Psychological Bulletin*, **135**, 380-406.

Moseley, G. L., **Gallace, A.**, & Spence, C. (2009). Space-based, but not arm-based, shift in tactile processing in complex regional pain syndrome and its relationship to cooling of the affected limb. *Brain*, **132**, 3142-3151.

Van Damme, S., **Gallace, A.**, Spence, C., & Moseley, G. L. (2009). Does the sight of physical threat induce a tactile processing bias? Modality-specific attentional facilitation induced by viewing threatening pictures. *Brain Research*, **1253**, 100-106.

- 2010 -

Gallace, A., & Spence, C. (2010). The science of interpersonal touch: An overview. *Neuroscience & Biobehavioral Reviews*, **34**, 246-259.

Gallace, A., Zeeden, S., Röder, B., & Spence, C. (2010). Lost in the move? Secondary task performance impairs tactile change detection on the body. *Consciousness and Cognition*, **19**, 215-229.

Gallace, A., & Spence, C. (2010). The role of the somatosensory cortex in the awareness of tactile information. *Psyche*, **16**, 30-67.

http://www.theassc.org/journal_psyche/archive/vol_16_no_1_2010

- 2011 -

Auvray, M., **Gallace, A.**, Tan, H. Z., & Spence, C. (2011). Tactile short term memory for stimuli presented on the fingertips and across the rest of the body surface. *Consciousness and Cognition*, **73**, 1227-1241.

Gallace, A. (2011). *Verso una definizione dell'estetica tattile* [Towards a definition of tactile aesthetics]. In: A. Argenton (Ed.), *Vedere con Mano*. Edizioni Erickson.

- Gallace, A.,** Torta, D. M., Moseley, G. L., & Iannetti, G. (2011). The analgesic effect of crossing the arms. *Pain*, **152**, 1418-1423.
- Gallace, A.,** Boschini, E., & Spence, C. (2011). On the taste of 'Bouba' and Kiki: An exploration of word-taste associations in neurologically normal participants. *Cognitive Neuroscience*, **2**, 34-46.
- Gallace, A.,** Ngo, M. K., Sulaitis, J., & Spence, C. (2011). *Multisensory Presence in Virtual Reality: Possibilities & Limitations*. In: G. Ghinea, F. Andres, & S. Gulliver (Eds.), *Multiple Sensorial Media Advances and Applications: New Developments in MulSeMedia*. IGI Global.
- Gallace, A.,** & Spence, C. (2011). To what extent do Gestalt grouping principles influence tactile perception? *Psychological Bulletin*, **137**, 538-561.
- Gallace, A.,** & Spence, C. (2011). Tactile aesthetics: Towards a definition of its characteristics and neural correlates, **21**, 569-589.
- Pritchett, D., **Gallace, A.,** & Spence, C. (2011). Implicit processing but no attentional Spotlight? An investigation of tactile change detection. *Consciousness and Cognition*, **20**, 534-546.
- Spence, C. & **Gallace, A.** (2011). Tasting shapes and words. *Food Quality & Preference*, **22**, 290-295.
- Spence, C. & **Gallace, A.** (2011). Multisensory design: Reaching out to touch the consumer. *Psychology & Marketing*, **28**, 267-308.

- 2012 -

- Bellan, V., Reverberi, C., **Gallace, A.** (2012). Evidence for 'Visual Enhancement of Touch' mediated by visual displays and its relationship with body ownership. *Haptics: Perception, Devices, Mobility, and Communication. Lecture Notes in Computer Science*, **7282/2012**, 58-66.
- Gallace, A.,** (2012). Living with touch: Understanding tactile interactions. *The Psychologist*, **25**, 3-5.
- Gallace, A.,** Martelli, M., & Daini, R. (2012). Inconstancy and inconsistency of visual illusory phenomena? The case of the Poggendorff figure. *Psychology*, **3**, 257-264.
- Moseley, G. L., **Gallace, A.,** & Iannetti, G. D. (2012). Spatially defined modulation of skin temperature and hand ownership of both hands in patients with unilateral complex regional pain syndrome. *Brain*, **135**, 3676-3686.
- Moseley, G. L., **Gallace, A.,** Spence, C. (2012). Bodily illusion in health and disease: physiological and clinical perspectives and the concept of a cortical body matrix. *Neuroscience & Biobehavioural Reviews*, **36**, 34-46.

Moseley, G. L., Gallagher, L., & **Gallace A.** (2012). Neglect-like tactile dysfunction in chronic back pain. *Neurology*, **79**, 327-332.

Nazir, S., **Gallace, A.**, Bordegoni, M., Colombo, S., & Manca, D. (2012). Performance comparison of different training methods for industrial operators. In: De Waard, D., Brookhuis, K., Dehais, F., Weikert, C., Röttger, S., Manzey, D., Biede, S., Reuzeau, F., & Terrier, P. (Eds.), *Human Factors of Systems and Technology* (pp. 1-8). Available as open source download. <http://www.hfes-europe.org/books/proceedings2012/Nazir.pdf>

Spence, C. & **Gallace, A.** (2012). Touch. In: V. S. Ramachandran (Ed.), *Encyclopedia of Human Behaviour* (2nd Ed.). Oxford: Elsevier.

-2013-

Gallace, A., (2013). Somaesthetic mental imagery. In: S. Lacey, & R. Lawson (Eds.), *"Multisensory Imagery: Theory and Applications"*; London: Springer.

Moseley, G. L., **Gallace, A.**, Di Pietro, F., Spence, C., & Iannetti, G. D. (2013). Limb-specific autonomic dysfunction in complex regional pain syndrome modulated by wearing prism glasses. *Pain*, **154**, 2463-2468

Sambo, C. F., Torta, D. M., **Gallace, A.**, Liang, M., Moseley, G. L., & Iannetti, G. D. (2013). The temporal order judgement of tactile and nociceptive stimuli is impaired by crossing the hands over the body midline. *Pain*, **154**, 242-247.

Spence, C., Hobkinson, C., **Gallace, A.**, & Piqueras Fiszman (2013). A touch of gastronomy. *Flavour*, **2**:14.

Torta, D. M., Diano, M., Costa, T., **Gallace, A.**, Duca, S., Geminiani, G. C., & Cauda, F. (2013). Crossing the line of pain: fMRI correlates of crossed-hands analgesia. *Journal of Pain*, doi:pii: S1526-5900(13)00940-1. 10.1016/j.jpain.2013.03.009.

Van Hulle, L., Van Damme, S., Spence, C., Crombez, G., & **Gallace, A.** (2013). Spatial attention modulates tactile change detection. *Experimental Brain Research*, **224**, 295-302.

-2014-

Bellan, V., Moseley, G. M., & **Gallace, A.** (2014). Psicobiologia del dolore [Psychobiology of pain]. In: C. Papagno, & A. Gallace [Eds]. *Psicobiologia del comportamento*. Bologna: Il Mulino.

Colombo, S., Nazir, S., **Gallace, A.**, Manca, D. (2014). Experiment-based Decision Making in Complex Systems. *Chemical Engineering Transactions*, **36**, 85-90.

Etzi, R., Spence, C., & **Gallace, A.** (2014). Textures that we like to touch: An experimental study of tactile aesthetic preferences. *Consciousness & Cognition*, **29**, 178-188.

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- Gallace, A.**, & Spence, C. (2014). *In touch with the future: The sense of touch from cognitive neuroscience to virtual reality*. Oxford: Oxford University Press.
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- Papagno, C., & **Gallace, A.** [Eds]. (2014). *Psicobiologia del comportamento normale e patologico* [Psychobiology of normal and abnormal behavior]. Bologna: Il Mulino.
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- 2015-**
- Bellan, V., Gilpin, H. R., Stanton, T. R., Newport, R., **Gallace, A.**, & Moseley, G. L. (2015). Untangling visual and proprioceptive contributions to body localisation in healthy volunteers. *Experimental Brain Research*, **233**, 1689-1701.
- Gallace, A.**, (2015). Tactile Processing. In: James D. Wright (editor-in-chief), International Encyclopedia of the Social & Behavioral Sciences, 2nd edition, Vol 24. Oxford: Elsevier. pp. 14–19.
- Gallace, A.** (2015). Touch to sell: When packaging design meets cognitive neuroscience. *Packaging Europe*, **10**(6), 47-49.
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Bellan, V., Gilpin, H.R., Stanton, T. R., Dagsdottir, L. K., **Gallace, A.**, & Moseley, G. L. (2017). Relative contributions of spatial weighting, explicit knowledge and proprioception to hand localisation during positional ambiguity. *Experimental Brain Research*, **235**, 447-455.

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Reid, E. J., Braithwaite, F. A., Wallwork, S. B., Harvie, D., Chalmers, K. J., Spence, C., **Gallace, A.**, & Moseley, G. L. (2017). Spatially-defined motor deficits in people with unilateral complex regional pain syndrome. *Cortex*. 2017 Jul 14. pii: S0010-9452(17)30224-1. doi: 10.1016/j.cortex.2017.06.024

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Carulli, M; Bordegoni, M; Ferrise, F; **Gallace, A**; Gustafsson, M; Pfuhl, T. (2018). Simulating Multisensory Wine Tasting Experience. Proceedings of the DESIGN 2018 15th International Design Conference 2177-2186. DOI: 10.21278/idc.2018.048

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Etzi, R., **Gallace, A.**, Massetti, G., D'Agostino, M., Cinquetti, V., Ferrise, F., & Bordegoni M. (2020). Conveying trunk orientation information through a wearable tactile interface. *APPLIED ERGONOMICS*, 88, 103176. doi: 10.1016/j.apergo.2020.103176.

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- Cerritelli, F., Chiera, M., Abbro, M., Megale, V., Esteves J., **Gallace A.**, & Manzotti, A. (2021). The Challenges and Perspectives of the Integration Between Virtual and Augmented Reality and Manual Therapie. *Front. Neurol.*, 30 June 2021 | <https://doi.org/10.3389/fneur.2021.700211>
- Dozio, N., Maggioni, E., Pittera, D., **Gallace, A.**, & Obrist, M. (2021). May I Smell your Attention: Exploration of Smell and Sound for Visuospatial Attention in Virtual Reality. *Frontiers in Psychology*, 12, 2915. <https://doi.org/10.3389/fpsyg.2021.671470>
- Giuseppe, R., Colleoni, M., Cremaschi, M., Daconto, L., Napoli, I., **Gallace, A.**, et al. (2021). How to preserve healthy aging through nutritional strategies: The new approach of the Food Social Network (Food NET) project. *MEDITERRANEAN JOURNAL OF NUTRITION AND METABOLISM*, 1-11. doi: 10.3233/MNM-211500
- Nava, E., Etzi, R., **Gallace, A.**, & Macchi Cassia, V. (2021). Socially-relevant Visual Stimulation Modulates Physiological Response to Affective Touch in Human Infants. *Neuroscience*. 2021 Jun 1;464:59-66. doi: 10.1016/j.neuroscience.2020.07.007.
- Panagiotopoulou, L., Cía Gayarre, N., Scurati, G. W., Etzi, R., Massetti, G., **Gallace, A.**, and Ferrise, F. (2021). Design of a Serious Game for Children to Raise Awareness on Plastic Pollution and Promoting Pro-Environmental Behaviors. *ASME. J. Comput. Inf. Sci. Eng.* December 2021; 21(6): 064502. <https://doi.org/10.1115/1.4050291>
- Pietra, A., Vazquez Rull, M., Etzi, R., **Gallace, A.** Wally-Scuraty, G., Ferrise, F., & Bordegoni, M. (2021). Promoting eco-driving behavior through multisensory stimulation: a preliminary study on the use of visual and haptic feedback in a virtual reality driving simulator. *Virtual Reality*. <https://doi.org/10.1007/s10055-021-00499-1>
- Risso, P., & **Gallace, A.** (2021). The effect of olfactory and tactile cues on the evaluation of prescription-free pharmaceutical packaging: behavioural and psychophysiological modulations. *European Journal of Applied Sciences*, 9(4), 1–38. <https://doi.org/10.14738/aivp.94.10119>
- Risso, P, Maggioni, E, & **Gallace, A** (2021). A preliminary study on the effect of gender-matched odours on the evaluation of emotional, cognitive and aesthetic characteristics of faces. *FLAVOUR AND FRAGRANCE JOURNAL*, 36, 436-445. doi: 10.1002/ffj.3653
- Salvato, G., Peviani, V., Scarpa, P., Francione, S., Castana, L., **Gallace, A.**, et al. (2021). Investigating visuo-spatial neglect and visual extinction during intracranial electrical stimulations: the role of the right inferior parietal cortex. *NEUROPSYCHOLOGIA*, 162, 108049 [10.1016/j.neuropsychologia.2021.108049].

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- Gallace, A.**, & Girondini, M. (2022). Social touch in virtual reality. *Current Opinion in Behavioral Sciences*, 43, 249-254. <https://doi.org/10.1016/j.cobeha.2021.11.006>.

Gallace, A. (2022). The multisensory brain at sailing. In Casati R. (Ed.). *The philosophy of sailing*. Springer, UK.

Main posters and presentations (invited underlined)

-2004-

Gallace, A., & Spence, C. (2004). *Examining the crossmodal consequences of the visual perception of the Müller-Lyer illusion*. Experimental Psychology Society, Oxford meeting, 31/03-01/04. Oxford, UK.

Gallace, A., & Spence, C. (2004). *Synaesthetic enhancement of visual size perception by sound*. British Psychological Society, Annual conference, 6-8th September. Leeds, UK.

-2005-

Gallace, A., & Spence, C. (2005). *Visual capture of apparent limb position influences tactile temporal order judgments*. Experimental Psychology Society, London meeting, 6-7 January. London, UK.

Gallace, A., Imbornone, E., & Vallar, G. (2005). *Quando l'intero e' piu' della somma delle singole parti: Evidenze dallo studio della negligenza spaziale unilaterale*. [When the whole is more than the sum of the parts: Evidence from the study of visuospatial neglect]. Riunione della Societa' Italiana di Neuropsicologia (SINP), 27-28 Maggio, Bologna, Italia.

Gallace, A., Martelli, M., & Daini, R. (2005). *Poggendorff bridges Müller-Lyer and rod and frame*. European Conference on Visual Perception (ECVP), 22-26 August, A Coruña, Spain.

Gallace, A., Tan H. Z., Haggard, P., & Spence, C. (2005). *Short term representations of tactile stimuli presented across the body surface*. British Psychological Society – Body Representation Workshop, 29-30 September, Oxford, UK.

Gallace, A., Tan, H. Z., & Spence, C. (2005). *Change blindness as a multisensory phenomenon: Evidence from tactile change detection*. Psychonomic Society Meeting, 10-13 November, Toronto, Canada.

Gallace, A., Tan, H. Z., & Spence, C. (2005). *Tactile change detection*. The First Worldhaptic Conference (WHC 2005), 18-20 March. Pisa, Italy.

Gallace, A., Tan, H. Z., & Spence, C. (2005). *Unimodal and bimodal numerosity judgments*. International Multisensory Research Forum (IMRF), 5-9 June. Rovereto, Italy.

Spence, C., **Gallace, A.**, & Tan, H. Z. (2005). *Limitations on tactile perception over the body surface: Numerosity judgments & change detection*. Invited paper presented at the Tactile Research Group meeting, Toronto, November 9th.

-2006-

- Gallace, A.,** Tan, H. Z., & Spence, C. (2006). *Modulation of haptic length representation by means of a visual illusion and optokinetic stimulation*. International Multisensory Research Forum (IMRF), 18-21 June, Dublin, Ireland.
- Auvray, M., **Gallace, A.,** & Spence, C. (2006). Crossmodal change blindness between vision and touch. International Multisensory Research Forum (IMRF), 18-21 June, Dublin, Ireland.
- Auvray, M., **Gallace, A.,** & Spence, C. (2006). *Crossmodal change blindness*. Experimental Psychology Society, Birmingham meeting, 10-12 April Birmingham, UK.
- Shore, D. I., **Gallace, A.,** Mimmagh, K., & Spence, C. (2006). *Assessing the frames of reference involved in the crossed hands temporal order judgments deficit: The role of response demands*. International Multisensory Research Forum (IMRF), 18-21 June, Dublin, Ireland.

-2007-

- Gallace, A.** (2007). *Short term tactile representations and the “remembered present”*. Invited paper presented at Touch and value of object handling. Workshop 3. Touch and memory: The role of reminiscence, 5 January, London, UK.
- Gallace, A.** (2007). *The role of multisensory integration in body representation*. Invited paper presented at the Congress of the Italian Society of Neuroscience, 27-30 September, Verona, Italy.
- Gallace, A.,** Tan, H. Z., Haggard, P., & Spence, C. (2007). *Transient short term representations of tactile stimuli contain more information than can be reported explicitly: Evidence from the partial report paradigm*. Joint meeting of the Experimental Psychology Society and Psychonomics Society, 4-7 July, Edinburgh, UK.
- Gallace, A.,** Auvray, M., Hartcher-O'Brien, J., Tan, H. Z., & Spence, C. (2007). *The effect of visual, auditory, and tactile distractors on people's awareness of tactile change*. Body Representation Workshop, 8-10 October, Rovereto, Italy.
- Hartcher-O'Brien, J., **Gallace, A.,** Krings, B., Koppen, C., & Spence, C. (2007). *Extending the Colavita effect: When vision ‘extinguishes’ touch in neurologically-normal people*. Body Representation Workshop, 8-10 October, Rovereto, Italy.
- Moseley, L., Hall, D., **Gallace, A.,** & Spence, C. (2007). *Cognitive illusion induces shift in temporal order judgements of tactile stimuli*. Body Representation Workshop, 8-10 October, Rovereto, Italy.
- Scarpa, P., Bottini, G., **Gallace, A.,** Francione, S., Lo Russo, G., & Vallar, G. (2007). *The effect of lesions and temporary dysfunctions on attentional processes in a group of epileptic patients: The cognitive role of frontal, temporal and parietal areas*. 25th European Workshop on Cognitive Neuropsychology, 21-26 January, Bressanone, Italy.
- Scatova, A., **Gallace, A.,** & Spence, C. (2007). *On the recognition of letters drawn on the skin*. Body Representation Workshop, 8-10 October, Rovereto, Italy.

Van Damme, S., Moseley, G.L., **Gallace, A.**, & Spence, C. (2007). Physical threat pictures bias tactile processing. Poster presented at special interest meeting “Symptom perception and Illness Behaviour”. September 22-24, 2008, Bellem, Belgium.

Zeeden, S., **Gallace, A.**, Röder, B., & Spence, C. (2007). *Tactile change blindness is elicited by movement*. Body Representation Workshop, 8-10 October, Rovereto, Italy.

-2008-

Gallace, A. (2008). *Tactile information processing and awareness: A multisensory perspective*. Invited talk presented at Department of Psychology, University of Bath, 11th March, Bath, UK.

Gallace, A., & Spence, C. (2008). *Similarities between the awareness of change in vision and touch: The role of spatial processing*. International Multisensory Forum, 16-19 July, Hamburg, Germany.

Scatova, A., Spence, C., Auvray, M., & **Gallace, A.**, (2008). *On the recognition of letters drawn on the skin*. The Third International Conference on Cognitive Science, 20-25 June, Moscow, Russia.

Spence, C. & **Gallace, A.** (2008). *Mediated touch*. Invited paper given at the Workshop on Multisensory Virtual Reality held at the University of Warwick, 1st June. Warwick, UK.

-2009-

Auvray, M., **Gallace, A.**, & Spence, C. (2009). *Short term memory for tactile stimuli presented on the fingertips and across the body surface*. 10th International Multisensory Research Forum (IMRF). June 29-July 2. New York City, USA.

Auvray, M., **Gallace, A.**, & Spence, C. (2009). *What perspective do people take when interpreting tactile letters presented on their bodies?* 10th International Multisensory Research Forum (IMRF). June 29-July 2. New York City, USA

-2010-

Auvray, M., **Gallace, A.**, & Spence, C. (2010). *Which frame of reference is adopted when interpreting tactile letters presented on the body surface?* European Workshop on Imagery and Cognition, June 16-19, Finland.

Gallace, A. (2010). *Verso una definizione dell'estetica tattile: basi cognitive e neurali*. [Towards a definition of tactile aesthetic: cognitive and neural bases]. Invited talk given at: Seminario di studi 'Vedere con mano'. 15th October, Trento, Italy.

- Gallace, A.** (2010). *The role of spatial and multisensory processing in awareness of somatosensory information*. Invited talk given at Department of Experimental Clinical and Health Psychology, Ghent University. 5th of June. Ghent, Belgium.
- Gallace, A., Casati, C., & Vallar, G.** (2010). *The role of spatial frames of reference in the storage of tactile information*. 11th International Multisensory Research Forum (IMRF). 16-19 June, Liverpool, UK.
- Gallace, A., & Spence, C.** (2010). *Defining the cognitive and neural foundations of tactile aesthetics*. Invited talk given at 11th International Multisensory Research Forum (IMRF). 16-19 June, Liverpool, UK.
- Gallace, A., Torta, D. M., Moseley, G. L., & Iannetti, G.** (2010). *Crossing the arms alters the processing of touch and pain in a similar fashion: Electrophysiological and behavioural evidence*. 11th International Multisensory Research Forum (IMRF). 16-19 June, Liverpool, UK.
- Gallace, A., Spence, C. & Moseley, G. L.** (2010). *Assessing the physiological consequences of bodily illusions*. Body Representation in Physical and Virtual Reality with Application to Rehabilitation. 26th Sept- 1st Oct, 2010. Monte Verità, Ascona, Switzerland.
- Torta, D. M., **Gallace, A.**, Moseley, G. L., & Iannetti, G. (2010). *Rub it better and cross your arms*. XXVIII European workshop on Cognitive Neuropsychology. 24th - 29th January. Bressanone, Italy.

-2011-

- Auvray, M., **Gallace, A.**, Yoshida, T., & Spence, C. (2011). Tactile change blindness induced by tactile and visual distractors. *12th International Multisensory Research Forum (IMRF), 17-20 October, Fukuoka, Japan*
- Gallace, A.** (2011). *The interaction between the somatosensory cortex and higher order multisensory areas in tactile and body awareness*. Invited talk given at The Multimodal Brain, Autumn School 2011, 5-6 October. Tübingen, Germany.
- Gallace, A.** (2011). *Il corpo nella mente: conseguenze fisiologiche delle illusioni di appartenenza corporea*. [The body in mind: physiological consequences of body ownership illusions]. Invited talk given at Department of Psychology, The Biology of Social Behavior Lab, University of Turin. 23th March. Turin, Italy.
- Spence, C., **Gallace, A.**, Misra, R. & Ngo, M. (2011). *Tasting shapes and words*. Experimental Psychology Society Meeting. 13-15 April. Oxford, UK.
- Torta, D. M., **Gallace, A.**, Moseley, G. L., & Iannetti, G. (2011). *Extending the ‘crossed hand deficit’ to noxious stimuli*. XXIX European workshop on Cognitive Neuropsychology. 23rd-28th January. Bressanone, Italy.

-2012-

- Auvray, M., **Gallace, A.**, & Spence, C. (2012). *Crossmodal change blindness between touch, vision, and audition*. 30th International Congress of Psychology, 22-27 July 2012, Cape Town, South Africa.
- Auvray, M., **Gallace, A.**, & Spence, C. (2012). *Crossmodal change blindness between vision, touch, and audition: the influence of the task*. Association for the Scientific Study of Consciousness (ASSC 16), 2-6 July, Brighton, UK.
- Bellan, V., Reverberi, C. & **Gallace, A.** (2012). Evidence for ‘Visual Enhancement of Touch’ mediated by visual displays and its relationship with body ownership. Eurohaptics. June 12-15, Tampere, Finland.
- Bellan, V., Reverberi, C. & **Gallace, A.** (2012). Watching touch increases people's alertness to tactile stimuli presented on the body surface. International Multisensory Research Forum. June 19-22, Oxford, UK.
- Calzolari, E., **Gallace, A.**, Moseley, L., & Vallar, G. (2012). L’adattamento a lenti prismatiche in soggetti neurologicamente sani influisce sulla termoregolazione degli arti. SINP 2012.
- Etzi, R., Spence, C., & **Gallace, A.** (2012). *A preliminary investigation of tactile hedonic preferences in humans*. Experimental Psychology Society Meeting, 11-13 April 2012, Hull, UK.
- Etzi, R., Spence, C., & **Gallace, A.** (2012). *Aesthetic preferences for 3D shapes: A comparison between vision and touch*. International Multisensory Research Forum. June 19-22, Oxford, UK.
- Etzi, R., & **Gallace, A.** (2012). *The effect of emotional pictures on tactile hedonic preferences*. Poster presented at the European Science Foundation conference, 11-14 November, Stresa, IT.
- Gallace, A.** (2012). *Making it conscious – The neurology of space and perceptual awareness*. Invited talk given at 14th World Congress on Pain, August 27-31, Milan, Italy.
- Gallace, A.** (2012). *The role of tactile and multisensory information in design and marketing*. Invited lecture given at Milano Design PhD Festival, 15-29 March 2012. Politecnico di Milano, Milan, Italy.
- Gallace, A.** (2012). *The five senses within our brain: design for the human mind; virtual bodies in virtual words: how our mind deals with 'avatars'; marketing that appeals to our senses and emotions*. Virtual Prototyping Summer School, PhD Course. 16-20 July 2012. 4 hours Invited lectures given at Department of Mechanical Engineering, Politecnico di Milano, Milan, Italy.
- Gallace, A.**, Soravia, G. Cattaneo, Z., Moseley, G. L., & Vallar, G. (2012). *Deficit di termoregolazione a seguito di interferenza sull’attività della corteccia parietale posteriore: uno studio TMS*. Convegno della Società Italiana di Neuropsicologia. 4-5 Marzo, Bologna.
- Nazir, S., **Gallace, A.**, Bordegoni, M., Colombo, S., & Manca, D. (2012). *Performance comparison of different training methods for industrial operators*. Human Factors and Ergonomics Society - Europe Chapter, Annual Meeting. October 2012, Toulouse, France.

Onofri, M. P., Roscio A., Sotgiu, A., **Gallace, A.**, Riceputi, M. (2012). *Therapeutic riding in children affected by mental retardation*. XIV congress of Therapeutic Horse Riding, 24-27 April 2012, Athens, Greece.

-2013-

Etzi, R., Zampini, M., & **Gallace, A.** (2013). Assessing the effect of emotions on visual and tactile hedonic preferences. Poster presented at the European Workshop on Cognitive Neuropsychology, 20-25 January, Bressanone, Italy.

Calzolari, E. **Gallace, A.**, G. Moseley, L., & Vallar, G. (2013). Diversa influenza sulla termoregolazione in seguito ad adattamento a differenti prismi visivi. SINP 2013,

Calzolari, E., **Gallace, A.**, Moseley, L., & Vallar, G. (2013). *Prism adaptation affects thermoregulatory control of hands temperature in healthy participants*. International conference of Cognitive Neuroscience, January 2013, Bressanone, Italy.

Gallace, A. (2013). *The five senses within our brain: design for the human mind; virtual bodies in virtual words: how our mind deals with 'avatars'; marketing that appeals to our senses and emotions*. Virtual Prototyping Summer School, PhD Course. 16-20 July 2013. 4 hours Invited lectures given at Department of Mechanical Engineering, Politecnico di Milano, Milan, Italy.

Gallace, A. (2013). *'Body Matrix': The dynamic neural representation of the body*. Invited talk given at 3rd International Conference of Osteopathic Medicine. Neurological aspects of osteopathic medicine research. 27-29 September 2013, Pescara – Chieti, Italy.

Gallace, A. (2013). *Design that suits your mind*. Invited talk given at workshop of the Design Society for Emotional Engineering: Research on Emotional Engineering. 19th June 2013, Bergamo, Italy.

Gallace, A. (2013). What can neuropsychology tell us about chronic pain? Invited talk given at Pain Adelaide, 8th April 2013, Adelaide, Australia.

-2014-

Bellan, V., Etzi, R., & **Gallace, A.** (2014). *Evaluating the effect of seeing human body images on people's ability to estimate their own body size and on body satisfaction*. International Multisensory Research Forum, 11-14th June, Amsterdam, The Netherlands.

Calzolari, E., **Gallace, A.**, Vallar, G. (2014). *The effect of optokinetic stimulation on skin temperature regulation*. International Multisensory Research Forum, 11-14th June, Amsterdam, The Netherlands.

Etzi, R., Zampini, M., Cattaneo, Z., & **Gallace, A.** (2014). Assessing the role of visual stimuli over tactile aesthetic judgments. International Multisensory Research Forum, 11-14th June, Amsterdam, The Netherlands.

- Gallace, A.** (2014). *Design and marketing that appeals to our senses and emotions*. Invited guest lecture given at Master in Marketing, Department of Marketing, Università Commerciale Luigi Bocconi, 11th March, Milan, Italy.
- Gallace, A.** (2014). *Design and marketing for the human mind*. Invited seminar given at Department of Marketing, Università Commerciale Luigi Bocconi, 11th March, Milan, Italy.
- Gallace, A.** (2014). *Multisensory processing in bodily perception*. Invited talk given at the department of General and Experimental Psychology, Ludwig-Maximilians University. 7th May, Munich, Germany.
- Gallace, A.** (2014). Body, space and mind: the concept of a cortical body matrix. Invited lecture given at The Barcelona Lecture Series in Brain, Cognition & Behaviour. 23th May, Barcelona, Spain.
- Gallace A.** (2014). *Design and marketing that appeal to our senses and emotions*. Invited lecture given at Virtual Prototyping Summer School, Department of Mechanical Engineering, Politecnico di Milano. 14-18th July Milan, Italy.
- Gallace A.** (2014). *The relationship between, pain, space and body: The concept of a cortical body matrix*. Invited talk given at Physical Therapy for Pain Management: New Perspective and Best Practices. 8-10th October, Lecce, Italy.
- Osimo, S. A., Maselli, A., **Gallace, A.**, Crusafon, C., & Slater, M. (2014). Owing a body versus embodying a tool: Diverse modulations of multisensory body representations. Virtual Embodiment and Robotic Re-Embodiment (VERE) Symposium. 23rd October, University of Barcelona, Spain.
- Risso, P. Maggioni, E., Olivero, N., & **Gallace, A.** (2014). *The effect of coloured glasses on people's perception, expectation and choice of mineral water*. International Multisensory Research Forum, 11-14th June, Amsterdam, The Netherlands.
- Risso, P. Maggioni, E., Olivero, N., & **Gallace, A.** (2014). *The effect of the weight of the container on people's perception of mineral water*. International Multisensory Research Forum, 11-14th June, Amsterdam, The Netherlands.
- 2015 -
- Etzi, R., Ferrise, F., Bordegoni, M., & **Gallace, A.** (2015). *Simulating hedonic perception of textures: The role of vision and touch*. Worldhaptic Conference 2015. June 22-26, Northwestern University, Evanston IL, USA.
- Etzi, R., Ferrise, F., Bordegoni, M., **Gallace, A.** (2015). *Seeing and touching virtual textures: A study on tactile hedonic perception*. 16th International Multisensory Research Forum. June 13-16, Pisa, Italy.
- Moresi, F., Barbero, M., Isnardi, M., **Gallace, A.**, Cescon, C. & Gatti, R. (2015). *Consistency in locating pressure stimuli over the lumbar spine on a digital body chart: a comparison between chronic low back pain patients and healthy subjects*. Società Italiana di Fisioterapia (S.I.F.) - 5th National Congress - October 3rd-4th 2015 - Milano, Italy.

Gallace, A. (2015). La psicobiologia del setting terapeutico [The psychobiology of therapeutic settings]. Invited guest lecture given at Master in Riabilitazione dei Disturbi Muscoloscheletrici, Università di Genova, 7th March, Savona, Italy.

Gallace, A. (2015). *Neuromarketing e NeuroShopping*. Invited seminar given at Commercial University Luigi Bocconi. 30th April, Milan, Italy.

Gallace A. (2015). *Attending to and representing the body and the space around it*. Invited talk given at 5th International Conference on Neuropathic Pain. May 14-17, Nice, France.

Gallace A. (2014). *Design and marketing that appeal to our senses and emotions*. Invited lecture given at Virtual Prototyping Summer School, Department of Mechanical Engineering, Politecnico di Milano. 13-17th July Milan, Italy.

Risso, P., Maggioni, E., & **Gallace, A.**, (2015). *The effect of pseudo-word labels on the evaluation of mineral water*. 16th International Multisensory Research Forum. June 13-16, Pisa, Italy

- 2016 -

Chirico, A., Graziosi, S. Ferrise, F. **Gallace, A.**, Mosconi, C., Cazzaniga, M. J., Zurloni, V., Elia, M., Cerritelli, F., Mantovani, F., D'Ausilio, A., Cipresso, P. Riva, G., & Gaggioli, A. (2016). *COLLEGO: An Interactive Platform for Studying Joint Action During an Ecological Collaboration Task*. 6th EAI International Symposium on Pervasive Computing Paradigms for Mental Health, November 28–29, Barcelona, Spain.

Etzi, R., & **Gallace, A.** (2016). Comparing physiological arousal for visually and haptically explored stimuli. European Conference on Visual Perception. 28 Aug- 1 Sept, Barcelona, Spain.

Gallace, A. (2016). Il corpo come spazio: il concetto di body matrix. Invited talk given at XXII congresso Nazionale AIP sezione di psicologia sperimentale, 20-22 Settembre 2016, Roma, Italy.

Gallace, A. (2016). Corpo, tatto, e dolore nel cervello: il concetto di ‘body matrix’. Invited talk given at “Fisiomontagna” Seminars, 18 Giugno 2016, Cogne, Italy

Gallace, A. (2016). La psicobiologia del setting terapeutico 2 [The psychobiology of therapeutic settings 2]. Invited guest lecture given at Master in Riabilitazione dei Disturbi Muscoloscheletrici, Università di Genova, March 2016, Savona, Italy.

Gallace, A., Risso, P., Covarrubias Rodriguez, M., Bordegoni, M. (2016). Using a small size olfactory device to affect people’s taste of food: preliminary evidence. ACM Conference on Human Factors 2016, May 7–12, San Jose, CA, USA.

-2017-

Gallace, A. (2017). Body, Space and Pain in the brain: the concept of body matrix. Invited keynote lecture given at ICOR International Conference on Advances in Osteopathic Medicine. 21 - 23 April 2017, Milan, Italy

Gallace, A. (2017). Multisensory body representation and pain (The multisensory representation of the body in the brain and its relationship to pain perception: the concept of 'body matrix'). Invited talk given at 6èmes Journées Francophones de Kinésithérapie, April 27-29, Paris, France.

Gallace, A. (2017). Touch and the body: tactile awareness and the science of interpersonal touch. Invited keynote lecture given at Touch of closeness 9th DbI European conference on Deafblindness. September 5-8, 2017 Aalborg, Denmark

-2018-

Gallace, A. (2018). La percezione edonica olfattiva: come il nostro cervello valuta e risponde agli aromi e ai profumi in un universo multisensoriale. Invited talk. Science of Essential oil. Milano, June, 2018.

Gallace, A. (2018). Touch, neuroscience and esthetics: discussion with Don Thompson, Invited talk, Milan, February 2012.

Gallace, A. (2018). Hedonic, neural, and autonomic responses to prolonged gentle touch. PhD discussion, dr Chantal Triscoli, Goteborg. Sweden March, 2018

Licciardi, D., **Gallace, A.**, & Vallar, G. (2018). The effects of visuo-spatial attention on skin temperature regulation in healthy participants. Neuromi annual conference, Milan, November 2018.

-2019-

Gallace, A. (2019). Il ruolo delle neuroscienze cognitive nella Realtà Virtuale: Migliorare la tecnologia seguendo il design del cervello umano. Invited talk. VR Vestival, Rome, October 2019.

Gallace, A. (2019). Pain and the representation of the body in the brain: a Complex Relationship. Keynote Lecture, Pain Science in Motion III, University Campus of Savona, Italy

Gallace, A. (2019). Research in human somatosensation: methods and potentialities, Meet the expert, Pain Science in Motion III, University Campus of Savona, Italy.

Gallace, A. (2019). The role of human factors in interacting with VR and AR technologies: a neurocognitive perspective. Invited talk, European summit on emerging technologies EICS. June, 2019 Mestre, Italy.

Gallace, A. (2019). La realtà virtuale e le neuroscienze cognitive: possibilità e limitazioni delle simulazioni di guida. Invited talk. Policlinico di Milano, November 2019.

Gallace, A. (2019). La psicobiologia del setting terapeutico. Invited talk, AIMO, May 2019, Saronno, Italy.

Gallace, A. (2019). Multisensory perception of food: quality, health and sustainability. Invited talk, NeuroMi annual Conference, November 2019.

-2020-

Gallace, A. (2020). Introduction to ‘Mind and Behavior Technological Center’, Invited introduction, *World Usability Day*, November, Milan 2020.

Gallace, A. (2020). Il ruolo delle neuroscienze cognitive nel pianificare un futuro a ‘misura umana’ *Dalla smart alla senseable city: Come ripensare le città dopo la pandemia*. Virtual conference. Invited lecture. November 2021.

Gallace, A. (2020). Il ruolo delle neuroscienze cognitive nel pianificare un futuro a misura umana Virtual conference. Invited lecture. *Women in Technology Seminar Series*. November 2021.

Gallace, A. (2020). Realtà ed illusioni nella nostra mente. Virtual conference. Invited lecture. Marhè Center. December 2020.

-2021-

Gallace, A. (2021). The future of touch: understanding the neurocognitive complexity of tactile interactions for promoting technological development. Keynote lecture. *WorldHaptic Conference*, Montreal Canada, July 2021.

Girondini, M. & **Gallace, A.** (2021). The role of realism in a virtual reality public speaking scenario: behavioral and physiological responses in a sample of healthy participants. NeuroMi Annual Meeting, 9-10 November 2021 Milano.

Massetti, G., Albin, F. Terruzzi S., Casati, C., Toneatto, C., Etzi, R., **Gallace, A.**, & Vallar, G. (2021) Neurit Space: Validation of Three digital tests for the assessment of spatial cognition. NeuroMi Annual Meeting, 9-10 November 2021 Milano.

Massetti, G., Albin, F. Terruzzi S., Casati, C., Toneatto, C., Etzi, R., **Gallace, A.**, & Vallar, G. (2021) Neurit Space: Validation of Three digital tests for the assessment of spatial cognition. Società Italiana di Neuropsicologia SINP Annual Meeting, October 2021 Milano.

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November 2021 Neurit.Space. A software for the assessment and rehabilitation of neuropsychological disorders. (Copyright granted and transferred to University of Milano Bicocca).

Main Media Coverage

- Somtribune** February 2021. Covid-19 Makes world appreciate importance of human contact.
<https://www.somtribune.com/2021/02/20/covid-19-makes-world-appreciate-importance-of-human-contact/>
- The economist.** March 2021. You've lost that lovin' Feeling: The pandemic made the world realize the importance of human contact. <https://www.economist.com/international/2021/02/20/the-pandemic-made-the-world-realise-the-importance-of-human-contact>
- Focus.it** 11 Maggio 2020 <https://www.focus.it/comportamento/psicologia/distanziamento-sociale-e-astinenza-da-contatto-fisico>
- Excellence Magazine & Luxury** 13 May 2020
<https://www.excellencemagazine.luxury/portraits/the-role-of-communication-during-the-coronavirus-emergency/>
- Wired.uk** 29 April 2020 <https://www.wired.co.uk/article/skin-hunger-coronavirus-human-touch>
- La Repubblica** 07 Gennaio 2020 Basta una Carezza per calmare il Bebè. (p. 54, Foglio 1-2)
- Il Giorno** 16 Settembre 2019 <https://www.ilgiorno.it/milano/cronaca/neonati-prematuri-carezze-1.4786379>
- AdnKronos** 16 Settembre 2019 https://www.adnkronos.com/salute/medicina/2019/09/16/una-carezza-che-cura-effetto-coccole-sui-bebe-prematuri_C2YyUFQ4KpO62AyEmuVlml.html
- Open Innovation Regione Lombardia** 6 Settembre 2019
<https://www.openinnovation.regione.lombardia.it/it/b/572/gallaceinnovazionitecnologiche migliori grazie alle neuroscienze>
- Ninjamarketing** 10 Luglio 2019. <https://www.ninjamarketing.it/2019/07/10/siamo-stati-alleics-il-principale-evento-sulle-tecnologie-immersive-in-italia-ecco-cosa-abbiamo-visto/>
- PackagingDigest** October 27, 2015. <https://www.packagingdigest.com/packaging-design/neurodesign-the-new-frontier-of-packaging-and-product-design1510>
- National Geographic** 26 June 2015. <http://theplate.nationalgeographic.com/2015/06/26/kiki-or-bouba-whats-the-shape-of-your-taste/>
- Mente e Cervello.** In punta di dita. N.93, Settembre 2012. http://www.lescienze.it/mente-e-cervello/2012/08/27/news/settembre_2012-1202281/
- Corriere della sera.** http://www.corriere.it/salute/reumatologia/12_luglio_18/male-schiena-modifica-percezioni_73e97fa6-cf38-11e1-8c66-2d335d06386b.shtml
- Jobnotizie.** <http://www.jobnotizie.it/news/relativita-il-mal-di-schiena-influisce-sulla-percezione-spazio-temporale/235>
- Pianetauniversitario.**
http://www.pianetauniversitario.com/index.php?option=com_content&view=article&id=253

[3:anche-il-mal-di-schiene-obbedisce-alla-legge-della-relativita&catid=38:scienza-e-tecnologia&Itemid=57](#)

Il sussidiario. <http://www.ilsussidiario.net/News/Scienze/2011/5/23/MEDICINA-Incrociate-le-braccia-il-dolore-passera/179433/>

Microscopio. <http://www.microscopionline.it/2011/05/20/2761-incrociare-le-braccia-riduce-il-dolore/>

Esseredonnaonline. <http://www.esseredonnaonline.it/spazio-attualita/per-sentire-meno-dolore-incrociare-le-braccia/>

Farmacia.it <http://farmacia.it/news/articolo/23/9590>

BBC news. <http://www.bbc.co.uk/news/health-13452457>

The telegraph. <http://www.telegraph.co.uk/health/healthnews/8523823/Crossing-your-arms-relieves-pain-by-confusing-the-brain.html#>

Ordinemedicinaleroma. http://www.ordinemedicinaleroma.it/index2.php?act=news&id_news=8636

Heos.it. http://www.heos.it/Scienze_08/0400092_La-nostra-mente-e%27-capace-di-influenzare-quello-che-succede-nei-tessuti-corporei.htm

Possible references

Prof. Charles Spence, Oxford University, UK

Prof. Lorimer Moseley, University of Adelaide, AU

Prof. Giuseppe Vallar, University of Milano Bicocca, IT

Prof. Angelo Maravita, Head of Department, University of Milano Bicocca, IT

Prof. Hong Z. Tan, Purdue University, USA

Milan, 11-02-2022

Signed