

**MONICA BUCCIARELLI  
CURRICULUM VITAE**

**Personal Information**

**Name:** Monica Bucciarelli

**Date of birth:** April the 19<sup>th</sup> 1968

**Nationality:** Italian

**Current/past positions**

**1997-2000**     **Researcher in General Psychology** Department of Psychology and *Faculty of Psychology*,  
University of Turin

**2000-2006**     **Associate Professor in General Psychology** Department of Psychology and *Faculty of  
Sciences of Education and Training*, University of Turin

**2006-**           **Full Professor of General Psychology** Department of Psychology, University of Turin

**Education**

**1990**           **Degree in Pedagogy** from the University of Florence

**1994**           **Ph.D in Developmental Psychology** at the University of Florence

**1995-1997**     **Post-Doctoral Research Fellowship** at the University of Turin

**1997**           **Degree in Psychology** from the University of Turin

**2005**           **Master in Cognitive Psychotherapy** Italian Society for Behavior and Cognitive Therapy

**Teaching**

A.Y. 2002-2003 / 2012-2013 **lecturer in The Psychology of Learning** (Second-level degree in Education,  
Faculty of Education and Training, University of Turin) – 54 hours per year

Since A.Y. 2000-2001 **lecturer in General Psychology** (Three-year degree course in Education, Faculty of  
Education and Training, University of Turin) – 54 hours per year

Since A.Y. 2013-2014 **lecturer in The Psychology of Reasoning** (Second-level degree in Psychology,  
Department of Psychology) – 60 hours per year

Since A.Y. 2000 **Member of the teaching body of the Doctoral School in Neurosciences**, University of  
Turin

**Research collaborations**

- Collaboration with the **Department of Psychology of Florence University** since 1987.
- Working at the **Department of Psychology** and the **Center for Cognitive Science of Turin University** since 1990.

- Working on joint research projects between Italy and the U.S.A and, as part of this collaboration, Visiting Research Fellow - laboratory of Prof. Philip Johnson-Laird (**Department of Psychology, Princeton University** and **Department of Psychology, New York University**) since 1987 till present.
- Collaboration with the **Computer Science Department, Turin University** (Prof. Leonardo Lesmo), with the **Polytechnic of Turin** (Prof. Paolo Prinetto), and with the **Multimedia Park of Turin** (Prof. Vincenzo Lombardo) since 2009 to present within ATLAS project.
- Collaboration with the **Navy Center for Applied Research in Artificial Intelligence, Naval Research Lab**, Washington, DC (Dr. Sangeet S. Khemlani)
- Collaboration with the **Department of Psychology, University of Social Sciences and Humanities, Warsaw** (Prof. Robert Mackiewicz)
- Collaboration with the **School of Life Sciences (Faculty of Health Sciences) of University of Hull** (Prof. Giuliana Mazzoni), now **Università di Roma Sapienza**.

### **Coordination of Research Groups**

- Since 2019 is the coordinator of the LRR research group (Learning, Reasoning, Remembering group) of the Department of Psychology of Università di Torino.  
Link: [https://dippsych.campusnet.unito.it/do/gruppi.pl/Show?\\_id=h354](https://dippsych.campusnet.unito.it/do/gruppi.pl/Show?_id=h354)

### **Main Research activity**

**The inferential abilities across the domains of *learning and memory, reasoning and pragmatics of communication***

#### ***The role of the body's movements in learning and memory***

- The role of the motor system of the observer in the beneficial effect of a speaker's gestures on the observer. Main results: 1) The motor system of the listener plays, at encoding, a main role in the beneficial effect of the gestures s/he observes in the speaker on memory for what has been said (*Iani & Bucciarelli, Journal of Memory & Language 2017*; Iani, Burin, Salatino, Pia, Ricci & Bucciarelli, *Brain & Language 2018*), 2) Also at recall, the motor system of the listener plays a main role in this beneficial effect (*Iani & Bucciarelli, Memory 2018*).
- The role of kinematic mental simulation in memory of observed actions. Main results: false memories occur for actions that represent the unfolding over time of static actions initially observed; this claim holds for both adults (*Iani, Mazzoni & Bucciarelli, Journal of Cognitive Psychology, 2018*) and children (*Iani, Limata, Bucciarelli & Mazzoni, Journal of Cognitive Psychology, 2020*).
- The study of gestures accompanying discourse. Main results: 1) Gestures favor the construction of a mental model of the discourse of a speaker by a hearing or oral deaf partner (*Cutica & Bucciarelli, Cognitive Science 2008*; Vendrame, Cutica & Bucciarelli, *The European Journal of Cognitive Psychology 2010*). 2) A person who listens to a discourse accompanied by gestures produces fewer co-speech gestures in recollecting the discourse compared to a person who listens to a discourse not

accompanied by gestures (*Cutica & Bucciarelli, Journal of Nonverbal Behavior 2011*). 3) Learning from text benefits from enactment both in adults (*Cutica & Bucciarelli, Journal of Cognitive Psychology 2013*) and children (*Cutica, Iani & Bucciarelli, Memory & Cognition 2014*). 4) The uptake of gestural information is not deterministic (*Cutica & Bucciarelli, Journal of Nonverbal Behavior 2015*). 5) The temporality of the gesture respect to the speech is an index of the goodness of a speaker's mental model (*Iani, Cutica & Bucciarelli, Cognitive Science 2016*).

- How we can foster the construction of mental models through instructional strategies and construction of interfaces in order to guide the learners' construction of mental models, a question afforded by *Bucciarelli, Gangemi & Schaeken (Eds.), Mental models in cognitive change, Special Issue of the Journal of Cognitive Psychology 2013*.

### **Reasoning**

- Abductive and deductive reasoning through kinematic mental simulation in adults (*Khemplani, Mackiewicz, Bucciarelli & Johnson-Laird, Proceedings of the National Academy of Sciences of the United States of America 2013*), and in children (*Bucciarelli, Mackiewicz, Khemlan & Johnson-Laird, Journal of Cognitive Psychology 2016; Memory & Cognition, 2018*).
- Reasoning in the factual domain, i.e., deductive reasoning, within the mental model theory (MMT) framework. Main results: 1) The insertion of element of non-determinism in the MMT for deductive reasoning (*Bucciarelli & Johnson-Laird, Cognitive Science 1999*), 2) A unified approach to the study of different types of deductive reasoning (*Bara Bucciarelli & Lombardo, Cognitive Science 2001*).
- Reasoning in the deontic domain, i.e., moral reasoning. Main results: 1) A theory of deontic reasoning purporting a core mechanism for both factual and deontic reasoning (*Bucciarelli & Johnson-Laird, Cognitive Psychology 2005*); 2) An extension of MMT to account for moral reasoning (*Bucciarelli Khemplani & Johnson-Laird, Judgment and Decision Making 2008; Bucciarelli & Daniele, Thinking & Reasoning 2015; Bucciarelli, Frontiers in Psychology 2015*). 3) Emotions and beliefs about morality can change one another (*Bucciarelli & Johnson-Laird, Acta Psychologica 2019*). Also emotions and beliefs about social conventions can change one another (*Bucciarelli & Johnson-Laird, Acta Psychologica 2020*).

### **Pragmatics of communication**

- Different complexity of the mental representations involved account for the difference in difficulty of comprehension between sincere, deceitful, and ironic communication acts (*Bucciarelli, Colle & Bara, Journal of Pragmatics 2003*).
- Different length of inferential chain accounts for the difference in difficulty of comprehension of simple and complex standard acts, simple and complex deceptions, and simple and complex ironies (*Bosco & Bucciarelli, Journal of Pragmatics 2008*).
- The length of the inferential chain also accounts for the difference in difficulty of reconstructing the communicative meaning of familiar and novel figurative expressions (*Bosco, Vallana & Bucciarelli, Journal of Cognitive Psychology 2012*).

**Reviewer for International Peer Reviewed Journals:** Acta Psychologica; Applied Cognitive Psychology; Cognition; Cognition & Emotion; Cognitive Development; Cognitive Processing; Cognitive Science; Developmental Psychology; European Journal of Cognitive Psychology; European Journal of Social Psychology Journal of Cognitive Psychology, Journal of Cognitive Science; Journal of Experimental Psychology Learning, Memory, and Cognition; Journal of Pragmatics; Judgment and Decision Making; Memory & Cognition, Philosophical Psychology, PlosOne; Quarterly Journal of Experimental Psychology; Review of Contemporary Philosophy, The Journal of Genetic Psychology ; Thinking & Reasoning.

**Reviewer for Agence Nationale de la Recherche** Year 2019

**Reviewer for the Research Foundation Flanders (FWO)** Years 2011, 2012, 2018.

**ERC Remote Referee for Horizon 2020 Framework Programme** Years 2016 –  
**ERC Remote Referee for Advanced Grant 2018 Call**

**Reviewer per F.R.S.-FNRS Fonds de la Recherche Scientifique** Year 2017

**Reviewer per National Science Centre, Poland** Year 2017

**Reviewer for the Italian Ministry for Education, University and Research (MIUR)** Years 2012, 2013, 2014, 2015

**Reviewer applications for RTD projects at University of Florence** Year 2020

#### **National and international grants**

**2014-2016 Partner in a Research Project within a Framework Cooperation Agreement** between the Department of Psychology, University of Social Sciences and Humanities, Warsaw, the Navy Center for Applied Research in Artificial Intelligence, Naval Research Lab, Washington, DC, the Department of Psychology of Princeton University and the Department of Psychology of New York University (Space to reason. The role of visual displays and gestures in deductive reasoning). Total grant: 132.000 Euro.

**2010-2013 Co PI** of the Prin project involving the Departments of Psychology of Turin University, Pisa University, Bologna University, Milano-Bicocca University, IUAV Venezia, Università Cattolica del Sacro Cuore (Problem solving and decision making: logical, psychological and neuroscientific aspects within criminal justice). Total grant: 720.061 Euro.

**2010-2013 Co PI** in a three years project funded by Regione Piemonte, call Human Sciences (INBEMA: Institutions, behavior and markets in local and global settings), Unit involved: Psychology Department, University of Turin. Total grant: 79.000 Euro.

**2009-2012 PI** for the Department of Psychology in the ATLAS project (*Automatic Translation into Sign Languages*), funded by Regione Piemonte, involving the Polytechnic of Turin, University of Turin (Computer Science Department and Psychology Department), RAI (Italian National Television), BEPS

Engineering, Lumiq Studios, CSP and Microsoft Innovation Center. Total grant: 4.418.000 Euro; Grant to the Psychology Unit: 216.000 Euro.

**2006-2008 Co PI** in a two years project funded by Fondazione CRT of Torino (Construction and validation of the CD Rom for the assessment of communicative abilities), Unit involved: Psychology Department, University of Turin.

**2004-2006 Co PI** of the Prin project involving the Departments of Psychology of Turin University, the Second University of Naples, the Polytechnic of the Marche, the Universities of Genoa and Calabria (Mathematical modeling of natural and artificial behavior). Total grant: 120.000 Euro; Grant to the Turin University Unit: 28.000 Euro.

**2002-2005 Co PI** in a three years project funded by M.I.U.R., FIRB project (Assessment of communication disorders in a rehabilitative perspective).

**1999-2000 Co PI** in the “Cofinanziamento ex-quota 40%” project involving the Departments of Psychology of Turin and Padua Universities, and the Department of Sciences and Advanced Technology of the University of Eastern Piedmont (Reasoning processes and mental models: The case for spatial inferences).

## **National and international acknowledgments**

### *National acknowledgments*

President of Center for Logic, Language, and Cognition, University of Turin

Member of Editorial Boards of National Peer Reviewed Journals:

2013 - *Giornale Italiano di Psicologia* (national journal)

2017 - *La Mente e i Sistemi Cognitivi: Collana di Scienze cognitive, Filosofia e Tecnologia*  
(national editorial series)

### *International acknowledgments*

Member of Editorial Boards of International Peer Reviewed Journals

2016 - 2018 *Memory & Cognition* (Consulting Editor at Springer)

2017- *Journal of Cognitive Psychology* (Editorial Assistant at Taylor & Francis)

2018 – *Memory & Cognition* (Associate Editor at Springer)

2013 - External Examiner of Ph.D. thesis in Psychology, School of Psychology, Trinity College, Dublin.

2020 – External Examiner in a mid-term Ph.D student evaluation, Faculty of Psychology and Educational Sciences, Leuven

Invited presentations to internationally established conferences

- Journée d'Etudes Université de Toulouse Le Mirail, Pragmatique et développement des habiletés conversationnelles, Toulouse, France, 13 May 2005 (Invited talk : “Sort of mental representations and complexity of inferential chains account for the emergence of linguistic and extralinguistic pragmatic abilities”).
- International Workshop on Psychodeontic, Genova, Italy, 4<sup>th</sup>-5<sup>th</sup> December 2016 (Invited talk: “Deontics: meaning, reasoning, and emotion”)
- Irish Conference on Artificial Intelligence and Cognitive Science, Dublin, Trinity College, 6<sup>th</sup>-7<sup>th</sup> December 2018 (Key-note speaker: “Informal algorithms in children”).

#### Organization of international conferences

- Chair (with B.G. Bara and L. Barsalou) of the World Conference of the Cognitive Science Society, XXVII Annual Meeting of the Cognitive Science Society, Stresa, July 21st-23rd, 2005.
- Program Committee Member of DECALOG: the 2007 Workshop on the Semantics and Pragmatics of Dialogue, University of Trento, Italy, May 30st-June 1st 2007.
- Program Committee Member of the World Conference of the Cognitive Science Society
  - Berlin, July 31st -August 3rd 2013
  - Quebec City, Canada, July 23rd -26th 2014
  - Pasadena, July 23rd -25th 2015
  - Philadelphia, Pennsylvania, 10rd -13th August 2016.
- Program Committee Member of the EuroAsianPacific Joint Conference on Cognitive Science, Torino, 25th – 27th September 2015.
- Program Committee Member of SemDial 2020 (The 24<sup>th</sup> Workshop on the semantics and pragmatics of dialogue, Brandeis University, Waltham, MA, 17-19 July 2020

#### Public engagement

16 January 2019, article on TuttoScienze (La Stampa, national), on informal algorithms in children  
[https://www.lastampa.it/2019/01/16/scienza/baby-programmatori-di-computer-giocando-con-il-trenino-di-legno-Gr7ZII6HEyj7PuQoP6a3dM/premium.html?fbclid=IwAR2D5uR4xJ91vJTWzf\\_BCSLtYoopDpENNMCCQEPmjzIETVT1k5YNfR24bAk](https://www.lastampa.it/2019/01/16/scienza/baby-programmatori-di-computer-giocando-con-il-trenino-di-legno-Gr7ZII6HEyj7PuQoP6a3dM/premium.html?fbclid=IwAR2D5uR4xJ91vJTWzf_BCSLtYoopDpENNMCCQEPmjzIETVT1k5YNfR24bAk)

25 August 2019, article on Lettura (Corriere della Sera), on beliefs and emotions  
<https://www.pressreader.com/italy/corriere-della-sera-la-lettura/20190825/281599537159409>

**MONICA BUCCIARELLI**  
**LIST OF PUBLICATIONS**

**International Journals**

- Bara B., Bucciarelli M. & Johnson-Laird P. N. 1995.  
The development of syllogistic reasoning.  
*The American Journal of Psychology*, 108, 2, 157-193.
- Bara B. & Bucciarelli M. 1997.  
The reason we reason.  
*Current Psychology of Cognition*, 16, 1-2, 63-69.
- Bara B. & Bucciarelli M. 1998.  
Language in context: The Emergence of Pragmatic Competence.  
*Special Issue of Analise Psicologica: Cognition in Context*, pp. 317-345. Quelhas, A. C. and Pereira, F. (Eds.).  
Istituto Superior de Psicologia Aplicada, Lisboa.
- Bara B., Bosco F. M. & Bucciarelli M. 1999.  
Developmental pragmatics in normal and abnormal children.  
*Brain & Language*, 68, 507-528.
- Bucciarelli M. & Johnson-Laird P. N. 1999.  
Strategies in syllogistic reasoning.  
*Cognitive Science*, Vol. 23 (3), 247-303.
- Bara B. & Bucciarelli M. 2000.  
Deduction and Induction: Reasoning through mental models.  
*Mind & Society*, Vol.1, 95-108.
- Bara B., Bucciarelli M. & Geminiani G. 2000.  
Development and decay of extra-linguistic communication.  
*Brain & Cognition*, 43, 1-3.
- Bucciarelli M. 2000.  
Reasoning strategies in syllogisms: Evidence for performance errors along with computational limitations.  
*Behavioral & Brain Sciences*, Vol. 23, n. 5, 669-670.
- Bucciarelli M. 2000.  
Reasoning by categories in the Wason selection task.  
*Psychology*, 11 (55).
- Bara B., Bucciarelli M. & Colle L. 2001.  
Communicative abilities in autism: Evidence for attentional deficits.  
*Brain & Language*, 77, 216-240.
- Bara B., Bucciarelli M. & Lombardo V. 2001.  
Model Theory of Deduction: A unified computational approach.  
*Cognitive Science*, 25, 839-901.
- Bucciarelli M. & Johnson-Laird P.N. 2001.  
Falsification and the role of the theory of mind in the reduced array selection task.  
*Current Psychology Letters: Behavior, Brain & Cognition*, 4, 7-22.
- Bucciarelli M., Colle L. & Bara B.G. 2003.  
How children comprehend speech acts and communicative gestures.  
*Journal of Pragmatics*, 35, 207-241.

- Bosco F., Bucciarelli M. & Bara B.G. 2004.  
The fundamental context categories in understanding communicative intentions.  
*Journal of Pragmatics*, 36, 467-488.
- Bucciarelli M. & Johnson-Laird P.N. 2005.  
Naïve deontics: a theory of meaning, representation, and reasoning.  
*Cognitive Psychology*, Vol. 50, 2, 159-193.
- Bosco F.M., Bucciarelli M. & Bara B.G. 2006.  
Recognition and repair of communicative failures: A developmental perspective.  
*Journal of Pragmatics*, 38, 1398-1429.
- Cutica I., Bucciarelli M. & Bara B.G. 2006.  
Neuropragmatics: Extralinguistic Pragmatic Ability is Better Preserved in Left-Hemisphere-Damaged Patients than in Right-Hemisphere-Damaged Patients.  
*Brain & Language*, 98, 12-25.
- Bucciarelli M. 2007.  
How the construction of mental models improves learning  
*Mind & Society*, issue 1, vol. 6, 67-89.
- De Marco, I., Colle L. & Bucciarelli M. 2007.  
Linguistic and extralinguistic communication in deaf children.  
*Journal of Pragmatics*, 39, 134-158.
- Adenzato M. & Bucciarelli M. 2008.  
Recognition of mistakes and deceits in communicative interactions.  
*Journal of Pragmatics*, 40 (4), 608-629.
- Bosco F.M. & Bucciarelli M. 2008.  
Simple and complex deceits and ironies.  
*Journal of Pragmatics*, 4, 583-607.
- Bucciarelli M., Khemlani S., Johnson-Laird P.N. 2008.  
The psychology of moral reasoning.  
*Judgment and Decision Making*, vol.3 (2), 121-139.
- Cutica I. & Bucciarelli M. 2008.  
The deep versus the shallow: Effects of co-speech gestures in learning from discourse.  
*Cognitive Science*, 32, 921-935.
- Sacco K. & Bucciarelli M. 2008.  
The role of cognitive and socio-cognitive conflict in learning to reason.  
*Mind & Society*, 7, 1-19.
- Bosco F.M., Vallana M., & Bucciarelli M. 2009.  
Comprehension of communicative intentions: The case of figurative language.  
*Journal of Cognitive Science*, vol.10 (2), 245-277.
- Bucciarelli M. 2010.  
Proffering a discourse in different communicative contexts.  
*Journal of Pragmatics*, 42, 1311-1320.
- Vendrame M., Cutica I., & Bucciarelli M. 2010.  
“I see what you mean”: Oral deaf individuals benefit from speaker’s gesturing.  
*The European Journal of Cognitive Psychology*, 22, 4, 612-639.



- Khemlani S.S., Lee N.Y.L., & Bucciarelli M. 2010.  
Determinants of cognitive variability.  
*Behavioral & Brain Sciences*, vol.33, issue 2-3, 97-98.
- Cutica, I. & Bucciarelli, M. 2011.  
"The more you gesture, the less I gesture": Co-speech gestures as a measure of mental model quality.  
*Journal of Nonverbal Behavior*, 35, 173-187.
- Bosco, F.M., Vallana, M. & Bucciarelli, M. 2012.  
The inferential chain makes the difference between familiar and novel figurative expressions.  
*Journal of Cognitive Psychology*, 24 (5), 525-540.
- Cutica, I. & Bucciarelli, M. 2013.  
Cognitive change in learning from text: Gesturing enhances the construction of the text mental model.  
*Journal of Cognitive Psychology*, 25,2, 201-209.
- Khemlani, S.S., Mackiewicz, R., Bucciarelli, M., & Johnson-Laird, P.N. 2013.  
Kinematic mental simulations in abduction and deduction.  
*Proceedings of the National Academy of Sciences of the United States of America*, 110, 16766-16771.
- Cutica, I., Ianì, F., & Bucciarelli, M. 2014.  
Learning from text benefits from enactment.  
*Memory & Cognition*, 42, 1026-1037.
- Bucciarelli, M. & Daniele, M., 2015.  
Reasoning in moral conflicts.  
*Thinking & Reasoning*, 21, 265-294.
- Cutica, I. e Bucciarelli, M. 2015.  
Non-determinism in the uptake of gestural information.  
*Journal of Nonverbal Behavior*, 39, 289-315 doi: 10.1007/s10919-015-0215-7
- Bucciarelli, M. 2015.  
Moral dilemmas in females: children are more utilitarian than adults.  
*Frontiers in Psychology: Cognition*, doi: 10.3389/fpsyg.2015.01345
- Bucciarelli, M., Mackiewicz, R., Khemlani, S.S., e Johnson-Laird, P.N. 2016.  
Children's creation of algorithms: Simulations and gestures.  
*Journal of Cognitive Psychology*, 28(3), 297-318. doi: 10.1080/20445911.2015.1134541
- Ianì, F., Cutica, I., e Bucciarelli, M. 2016.  
Timing of gestures: Gestures anticipating or simultaneous with speech as indexes of text comprehension in children and adults.  
*Cognitive Science*, 41(6), 1549-1566.
- Ianì, F., e Bucciarelli, M. 2017.  
Mechanisms underlying the beneficial effect of a speaker's gestures on the listener.  
*Journal of Memory and Language*, 96, 110-121.
- Ianì, F., Mazzoni, G., e Bucciarelli, M. 2018.  
The role of kinematic mental simulation in creating false memories.  
*Journal of Cognitive Psychology*, 30(3), 1-15. <https://doi.org/10.1080/20445911.2018.1426588>
- Ianì, F., e Bucciarelli, M. 2018.  
Relevance of the listener's motor system in recalling phrases enacted by the speaker.  
*Memory*, 26(8), 1084-1092.
- Ianì, F., Burin, D., Salatino, A., Pia, L., Ricci, R., Bucciarelli, M. (2018).

The beneficial effect of a speaker's gestures on the listener's memory for action phrases: The pivotal role of the listener's premotor cortex.

*Brain & Language*, 180-182, 8-13. <https://doi.org/10.1016/j.bandl.2018.03.001>

Bucciarelli, M., Mackiewicz, R., Khemlani, S.S., & Johnson-Laird, P.N. 2018.  
Simulation in children's conscious recursive reasoning

*Memory & Cognition*, 46, 1302- 1314. doi 10.3758/s13421-018-0838-0

Ianì, F., Foiadelli, A., & Bucciarelli, M. 2019

Mnemonic effects of action simulation from pictures and phrases

*Acta Psychologica*, 194, 37-50.

Bucciarelli, M., Johnson-Laird, P.N. 2019.

Deontics: meaning, reasoning, and emotion.

*Materiali per una storia della cultura giuridica*, 1, 89-112.

Johnson-Laird, P.N., Bucciarelli, M. 2019.

A reply to Ratti and Brigaglia and Celano's comments on deontics: meaning, reasoning, and emotion.

*Materiali per una storia della cultura giuridica*, 1, 153-162.

Bucciarelli, M. Johnson-Laird, P.N, 2019.

Emotions and beliefs about morality can change one another.

*Acta Psychologica*, <https://doi.org/10.1016/j.actpsy.2019.102880>

Ianì, F., Limata, T., Bucciarelli, M., & Mazzoni, G. 2020.

Children's kinematic false memories.

*Journal of Cognitive, Psychology*, 32, 479-493.

Bucciarelli, M., Johnson-Laird, P.N. 2020.

Beliefs and emotions about social conventions.

*Acta Psychologica*, <http://dx.doi.org/10.1016/j.actpsy.2020.103184>

## **International Proceedings**

Bara B., Bucciarelli M., Johnson-Laird P.N. & Lombardo V. 1994.

Mental models in propositional reasoning.

*Proceedings XVI Conference of the Cognitive Science Society*, Georgia, 15-20.

Blanzieri E. & Bucciarelli M. 1996.

The evaluation of the communicative effect.

*Proceedings XVIII Conference of the Cognitive Science Society*, San Diego, 501-506.

Blanzieri E., Bucciarelli M. & Peretti P. 1996.

Sentences and mental states in attributing intentions: Modeling their cognitive balance.

*Proceedings of the First European Workshop on Cognitive Modeling*, Berlin University of Technology, 230-234.

Geminiani G. & Bucciarelli M. 1998.

Deductive reasoning in right-brain damaged.

*Proceedings of the XX Conference of the Cognitive Science Society*, Madison, 386-391.

Bara B., Bosco, F.M. & Bucciarelli M. 1999.

Simple and complex speech acts: What makes the difference within a developmental perspective.

*Proceedings of the XXI Conference of the Cognitive Science Society*, Vancouver, 55-60.

- Bara B., Bucciarelli M. & Colle L. 1999.  
Pragmatic competence in autism.  
*Proceeding of the European Conference on Cognitive Science*, 389-392.
- Sacco K., Bucciarelli M. & Adenzato M. 2001.  
Mental models and the meaning of connectives: a study on children, adolescents and adults.  
In: J.D. Moore & K. Stenning (Eds.), *Proceedings of the XXIII Annual Conference of the Cognitive Science Society*, 875-880. Edinburgh, Scotland: Lawrence Erlbaum Associates.
- Bosco F., Bucciarelli M. & Bara B.G. 2003.  
Literal meaning and context categories in the attribution of communicative intentions: A developmental study.  
*Proceedings of the XXIV Annual Conference of the Cognitive Science Society*, CD-ROM Produced by x-CD Technologies, 162-167.
- Cutica I., Bara B.G. & Bucciarelli M. 2003.  
Extralinguistic pragmatic ability in right focal brain damaged patients  
*Proceeding of the European Conference on Cognitive Science*, 97-102.
- Bucciarelli M. 2009.  
What is Special about Children's Deontic Reasoning?  
In N.A. Taatgen & H. Van Rijn (Eds.), *Proceedings of the 31<sup>st</sup> Annual Conference of the Cognitive Science Society*, pp. 544-549. Austin, TX: Cognitive Science Society.
- Meini C., Bucciarelli M., Arduino G.M. & Vinai F. 2009.  
Cognitive principles central to causality understanding.  
In N.A. Taatgen & H. Van Rijn (Eds.), *Proceedings of the 31<sup>st</sup> Annual Conference of the Cognitive Science Society*, pp. 2735-2740. Austin, TX: Cognitive Science Society.
- Vendrame M., Cutica I. & Bucciarelli M. 2010.  
Learning by videos: Peculiarities of being deaf individuals.  
In G. Pérez-Bustamante, K. Phusavat & F. Ferreira (Eds.), *Proceedings of the IASK International Conference on Teaching and Learning 2010*, pp. 107-116. Sevilla, Spain.
- Vendrame, M., Cutica, I. & Bucciarelli, M. 2013.  
A written version of Sign Language can enhance signing deaf individuals' comprehension and learning from texts. In M. Knauff, M., Pauen, N., Sebanz, & I. Wachsmuth (Eds.) *Proceedings of the 35<sup>th</sup> Annual Conference of the Cognitive Science Society* (pp. 3663-3668). Austin, TX: Cognitive Science Society.
- Mazzei, A., Lesmo, L., Battaglino, C., Vendrame, M. & Bucciarelli, M. 2014.  
Deep natural language processing for Italian Sign Language Translation. In *XIII Conference of the Italian Association for Artificial Intelligence*. Turin, Italy, December 4-6, 2013.
- Ianì, F., Lombardo, A., Bucciarelli, M. 2019.  
Learning from a scientific discourse through video lessons: When gestures can't help. *Proceedings of PsychoBit2019 symposium*, Naples, Italy, September 25-26, 2019.

## **Editorship**

- Bara B.G., Barsalow L. & Bucciarelli M. 2005.  
Eds. *Proceedings of the XXVII Conference of the Cognitive Science Society*.  
Lawrence Erlbaum Associates, Inc., Mahwah, New Jersey, USA.
- Bucciarelli M. 2006.  
Editor of *Manuale di Psicologia Cognitiva* (Italian version of the 4th English Edition of Handbook of Cognitive Psychology, M. W. Eysenck & M. T. Keane), Napoli, Idelson-Gnocchi.

Bucciarelli M. 2010.

Editor of *La memoria umana: Apprendimento e organizzazione delle conoscenze* (Italian version of the 2nd English Edition of Human Memory, I. Neath & A. Surprenant), Napoli, Idelson-Gnocchi.

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