

## PERSONAL INFORMATION

Maria Laura Mele



## POSITION

Applied research psychologist, Cogisen Srl

## WORK EXPERIENCE

From 2014

**Neuroscience Lead**

Cogisen Srl, Rome, IT

- Applied research psychologist

[Cognitive psychology and neuroscience](#)

From 2012 to 2016

**Research fellow**

University of Perugia, Perugia, IT

[Cognitive psychology and neuroscience](#)

2011

**Lecturer**

TUCEP – Tiber Umbria Comett Education Program, Perugia, IT

[Human computer interaction, User experience](#)

From 2010 to 2014

**Assistant professor**

University of Perugia, Rome, IT

[General psychology, MPSI01; Cognitive Psychology, MPSI01](#)

From 2010 to 2012

**Assistant professor**

"Sapienza" University of Rome, Faculty of Psychology; Rome, IT

[General Psychology, MPSI01](#)

From 2009

**Event organiser**

International Conference on Spatial Cognition, ICSC, IV-VI editions, University of Rome, Rome, IT

[Scientific conferences](#)

From 2008 to 2010

**Assistant professor**

"Sapienza" University of Rome, Faculty of Psychology; Rome, IT

[Cognitive Psychology, MPSI01](#)

## EDUCATION AND TRAINING

From 2013 to 2016

**Training in Psychotherapy**

Institute of Gestalt Therapy - Human Communication Center Kairòs Srl, Ragusa, IT

EQF 8

2010-2012	<b>PhD in Cognitive Psychology</b> "Sapienza" University of Rome, Rome, IT	EQF 8
2011	<b>University Course in Eye-tracking Methodology</b> Lund Eye-Tracking Academy (LETA), Lund University, Lund, Sweden	
From 2006 to 2009	<b>M.Sc in Cognitive Psychology</b> "Information Processing and Knowledge Representation"; "Sapienza" University of Rome, Rome	EQF 7
From 2001 to 2006	<b>B.Sc in Psychology and Neuroscience</b> "Analysis of normal and pathological cognitive processes: mental health and cognitive rehabilitation", "Sapienza" University of Rome, Rome	EQF 7
From 1996 to 2001	<b>High School in classical studies</b> High School focussing equally on Humanities and Science	EQF 5

## PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
French	A2	A1	A2	A2	A2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

**Communication skills** ▪ Good communication skills gained through my teaching experience in the academic field

**Organisational / managerial skills** ▪ Organising committee member  
▪ Social media content manager

**Job-related skills** ▪ Excellent knowledge of research methods and techniques of data analysis

**Computer skills** ▪ Excellent command of Microsoft Office™ tools  
▪ Excellent command of both Microsoft and Macintosh Operative Systems  
▪ Good command of data analysis software (SPSS by IBM; STATISTICA)  
▪ Good command of eye tracking hardware and software (SMI, Tobii, ASL, ITU Gaze tracker)  
▪ Good command of assistive technologies for disabilities (Alea, ERICA, Tobii)

**Other skills** ▪ Photography  
▪ Equitation: English riding

**Driving licence** ▪ A

## ADDITIONAL INFORMATION

## Publications

Federici, S., Corradi, F., Meloni, F., Borsci, S., Mele, M. L., Dandini de Sylva, S., & Scherer, M. J. (2015). Successful Assistive Technology Service Delivery Outcomes from Applying a Person-Centred Systematic Assessment Process: A Case Study. *Life Span and Disability*.

Federici, S., Corradi, F., Meloni, F., Borsci, S., Mele, M. L., Dandini de Sylva, S., & Scherer, M. J. (2014). A Person-Centered Assistive Technology Service Delivery Model: a framework for device selection and assignment. *Life Span and Disability*, 17(2), 175–198.

Mele, M. L., Federici, S., & Dennis, J. L. (2014). Believing Is Seeing: Fixation Duration Predicts Implicit Negative Attitudes. *PloS one*, 9(8), e105106.

Federici, S., Borsci, S., & Mele, M. L. (2013). Environmental evaluation of a rehabilitation aid interaction under the framework of the ideal model of assistive technology assessment process. In *Human-Computer Interaction. Human-Centred Design Approaches, Methods, Tools, and Environments* (pp. 203-210). Springer Berlin Heidelberg.

Simonetti, E., et al. Gruppo di Lavoro per l'Usabilità. (2012). eGLU 1.0 – Protocollo per l'esplorazione dei siti web delle pubbliche amministrazioni. Roma, IT: Presidenza del Consiglio dei Ministri – Dipartimento della Funzione Pubblica.

Mele, M. L., & Federici, S. (2012). Gaze and eye-tracking solutions for psychological research. *Cognitive processing*, 13(1), 261-265.

Mele, M. L., & Federici, S. (2012). A psychotechnological review on eye-tracking systems: towards user experience. *Disability and Rehabilitation: Assistive Technology*, 7(4), 261-281.

Mele, M. L., Federici, S., Borsci, S., & Liotta, G. (2012). User Experience Evaluation of WhatsOnWeb: A Sonificated Visual Web Search Clustering Engine. *Int J Comput Inform Syst Ind Manage Appl*, US, Dynamic Publishers, 352-357.

Federici, S., Borsci, S., Mele, M. L., & Stamera, G. (2010). Web popularity: an illusory perception of a qualitative order in information. *Universal Access in the Information Society*, 9(4), 375-386.

Federici, S., Borsci, S., & Mele, M. L. (2010). Usability evaluation with screen reader users: A video presentation of the PCTA's experimental setting and rules. *Cognitive processing*, 11(3), 285-288.

Rugo, A., Mele, M. L., Liotta, G., Trotta, F., Di Giacomo, E., Borsci, S., & Federici, S. (2009). A visual sonificated web search clustering engine. *Cognitive processing*, 10, 286-289.

Federici, S., Borsci, S., Mele, M. L., & Stamera, G. (2008). Global Rank: tra popolarità e qualità dei siti Web. *Psicotech*.

## Conferences

Mele, M. L., Millar, D., & Rijnders, C. E. (2016, July). Validating a Quality Perception Model for Image Compression: The Subjective Evaluation of the Cogisen's Image Compression Plug-in. In *International Conference on Human-Computer Interaction* (pp. 350-359). Springer International Publishing.

Mele, M. L., Millar, D., & Rijnders, C. E. (2015, August). Beyond Direct Gaze Typing: A Predictive Graphic User Interface for Writing and Communicating by Gaze. In *International Conference on Human-Computer Interaction* (pp. 66-77). Springer International Publishing.

Mele, M.L., Federici, S. (2015) Do eye movements predict beliefs? A bio-behavioral investigation on implicit attitudes. Kouros, J., Beredimas, P., Freris, G., Sidiropoulou, F. (Eds) Paper presented at the 16th APPAC International Conference, Athens, GR; Medimond, p.17.

Federici, S., Mele, M. L., Romeo, S. A., Didimo, W., Liotta, G., Borsci, S., & Meloni, F. (2014). A Model of Web-Based Follow-Up to Reduce Assistive Technology Abandonment. In *Human-Computer Interaction. Applications and Services* (pp. 674-682). Springer International Publishing.

Mele, M. L., Federici, S., & Meloni, F. (2011). WhatsOnWeb: A Sonificated Search Engine for Blind People. Paper presented at the 16th APPAC International Conference, Athens, GR.

Mele, M. L., & Federici, S. (2013). Believing is Seeing: Ocular-Sensory-Motor Embodiment of Implicit Associations. Paper presented at the 1st World Conference on Personality, Stellenbosch, ZA.

Mele, M. L., & Federici, S. (2012). Looking at What One Believes: Investigation of the Relationship between Eye Movements and Implicit Associations. Paper presented at the 17th International Association of Psychology & Psychiatry for Adults & Children Conference: APPAC '12, Athens, GR.

Federici, S., Corradi, F., Mele, M. L., & Miesenberger, K. (2011). From cognitive ergonomist to psychotechnologist: A new professional profile in a multidisciplinary team in a centre for technical aids. In G. J. Gelderblom, M. Soede, L. Adriaens & K. Miesenberger (Eds.), *Everyday Technology for Independence and Care: AAATE 2011* (Vol. 29, pp. 1178-1184). Amsterdam, NL: IOS Press. doi:10.3233/978-1-60750-814-4-1178

Corradi, F., Federici, S., Mele, M. L., & Dandini De Sylva, S. (2011). No OBstacle to Emotion (NOBE): an assistive technology for a multi-sensory experience of visual art. In G. J. Gelderblom, M. Soede, L. Adriaens & K. Miesenberger (Eds.), *Everyday Technology for Independence and Care: AAATE 2011* (Vol. 29, pp. 927-934). Amsterdam, NL: IOS Press. doi:10.3233/978-1-60750-814-4-927

Mele, M. L., Borsci, S., & Federici, S. (2011). Searching by Hearing: Neutralising Visuocentric Barriers to Blind People's Access to Spatial Information Representation. Paper presented at the 16th International Association of Psychology & Psychiatry for Adults & Children Conference: APPAC '11, Athens, GR.

Amantis, R., Corradi, F., Molteni, A. M., Massara, B., Orlandi, M., Federici, S., et al. (2011). Eye-tracking assistive technology: Is this effective for the developmental age? Evaluation of eye-tracking systems for children and adolescents with cerebral palsy. In G. J. Gelderblom, M. Soede, L. Adriaens & K. Miesenberger (Eds.), *Everyday Technology for Independence and Care: AAATE 2011* (Vol. 29, pp. 489-496). Amsterdam, NL: IOS Press. doi:10.3233/978-1-60750-814-4-489

Mele, M. L., Federici, S., Borsci, S., & Liotta, G. (2010). Beyond a visuocentric way of a visual Web search clustering engine: The sonification of WhatsOnWeb. Paper presented at the 12th International Conference on Computers Helping People with Special Needs, Vienna University of Technology, Austria. doi:10.1007/978-3-642-14097-6\_56

Mele, M. L., Borsci, S., Rugo, A., Federici, S., Liotta, G., Trotta, F., et al. (2009). An Accessible Web Searching: An On-going Research Project. In P. L. Emiliani, L. Burzagli, A. Como, F. Gabbanini & A.-L. Salminen (Eds.), *Assistive Technology from Adapted Equipment to Inclusive Environments – AAATE 2009* (25 ed., Vol. 25, pp. 854). Florence, Italy: IOS Press.

Borsci, S., Federici, S., Mele, M. L., & Stamerra, G. (2008). Global Rank: improving a qualitative and inclusive level of web accessibility. Paper presented at the Conference Proceedings – Lancaster University, Lancaster University.

## Books and Book chapters

Borsci, S., Kurosu, M., Federici, S., & Mele, M. L. (2013). Computer systems experiences of users with and without disabilities: an evaluation guide for professionals. CRC Press.

Borsci, S., Kurosu, M., Mele, M. L., & Federici, S. (2013). L'esperienza sistemica dell'utente. In S. Federici & M. J. Scherer (Eds.), *Manuale di valutazione delle tecnologie assistive* (pp. 353-374). Milano, IT: Pearson.

Miesenberger, K., Corradi, F., Mele M. L. (2013). Lo psicotecnologo: una nuova professione per l'assegnazione delle tecnologie assistive. In S. Federici & M. J. Scherer (Eds.), *Manuale di valutazione delle tecnologie assistive* (pp. 353-374). Milano, IT: Pearson.

Borsci, S., Federici, S., Mele, M. L., Polimeno, D., & Londei, A. (2012). The Bootstrap Discovery Behaviour Model: Why Five Users are Not Enough. *Cognitively Informed Intelligent Interfaces: Systems Design and Development: Systems Design and Development*, 258.

Miesenberger, K., Corradi, F., & Mele, M. L. (2012). The Psychotechnologist: a new profession in the assistive technology assessment. *Assistive Technology Assessment Handbook*, 179-200.

Borsci, S., Kurosu, M., Mele, M. L., & Federici, S. (2012). Systemic user experience. *Assistive technology assessment handbook*, 337-359.