Laura Tarantino

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Education

1986   Laurea cum laude in Electronic Engineering, Università di Roma "La Sapienza"

2011   Laurea cum laude in Decorazione – ind. Beni Storico-Artistici (Historical and Artistic Heritage), Accademia di Belle Arti dell'Aquila

Main positions

- **Associate professor** at Department of Information Engineering, Computer Science and Matemathics (DISIM) of the University of L'Aquila — 2012-oggi

- **Associate professor** at Department of Electrical and Information Engineering of the University of L'Aquila — 1998-2012

- **Researcher** at Department of Electrical Engineering of the University of L'Aquila — 1990-1998

Main institutional appointments

(2022 – today) **Head of the Computing Systems Engineering Study Program** (Presidente del Consiglio di Area Didattica in Ingegneria Informatica) of the University of L'Aquila

(2022 – today) **Member of the Technical and Scientific Committee of the Center of Excellence DEWS** promoting interdisciplinary cooperation among researchers active in networked embedded systems automatic control, analog and digital electronics, computer science and telecommunications

(2021 – today) **Equal Opportunity Representative for the Department** of Information Engineering, Computer Science and Matemathics (DISIM) of the University of L'Aquila

(2019 – today) **Co-coordinator of Pinkamp**, a summer camp on Computer Science, Information Engineering and Mathematics for high school girls, to bring them closer to STEM topics in order to reduce the gender gap in such topics

(2017 - 2021) **Head of the Emergency Management Board of the Department** of Information Engineering, Computer Science and Matemathics (DISIM) of the University of L'Aquila

(2015 – today) **Member of the Scientific Board and of the Management Board of EcoNA**, an inter-university center for research and services in the study of cognitive processes in natural and artificial systems

(2018) **Interim Head of the Department** of Information Engineering, Computer Science and Matemathics (DISIM) of the University of L'Aquila

(2016 – 2019) **Vice Head of the Department** of Information Engineering, Computer Science and Matemathics (DISIM) of the University of L'Aquila

(2011 – 2018) **Member of the Scientific Board of the Department** of Information Engineering, Computer Science and Matemathics (DISIM) of the University of L'Aquila

(2002 − 2005) **Head of the Computing Center** of the School of Engineering of the University of L'Aquila

Summary of research activity

Her primary research activity is in **Human–Computer Interaction** with interest on the formalization of information visualization formalisms and interaction paradigms with application to **Database Systems** and **Information Systems**, both from the theoretical, the methodological and the application points of view.

As to *theoretical aspects*, she has worked on the definition of **information visualization** formalisms, on the formalization of interaction paradigms bridging the gap between the underlying formal data model and the visual model, on ambient and peripheral systems, and on object-oriented databases focusing on the definition of (graphical and non-graphical) **query languages** based on the integration between the logic programming paradigm and the object-oriented paradigm.

As to the *application* point of view, she is particularly interested in the **social impact of Information and Communication Technologies** (ICT), focusing in particular on **fragile and vulnerable popolation groups**, such as children with cognitive disabilities (EU FP7 TERENCE project), elderly people (EU AAL HOPES project and pilot studies), victims of natural disasters (EagleVox and Emepolis projects, and pilot studies), with **awarded papers** on ICT-enhanced treatment of autism spectrum disorder and on ICT support for elderly people.

Within these research lines, results of her work have been applied to **Technology Enhanced Learning**(TEL) systems, **Health-care Systems,** and **Disaster Management Systems, Geographic Database Systems**, **Multimedia Database Systems,** focusing, among others, on issues due to the fact that these new kinds of products and new types of users translate into new challenges for designers and researchers who can rely on a less heavy and often less structured body of knowledge, with reference to both practice and literature regarding design solutions and the design process itself.

As to the *methodology* point of view, her design and research activities in these areas has been founded on (both existing and novel) approaches that simultaneously assist in practical problem solving and expand scientific knowledge by generating and testing theories (e.g., action research), so to guarantee both relevance and rigor to the project at hand.

Results of her work were published in over 100 scientific papers in international journals, books and conference proceedings.

She is referee for several international journals and appears regularly in organizing committees and program committees of international and national conferences and workshops.

She is also very active in issues related to **Gender & Technology** and **Women & STEM**. In particular, she is the DISIM **Equal Opportunity Representative** and the **co-coordinator of Pinkamp**, the DISIM summer camp on Computer Science, Information Engineering and Mathematics for high school girls, to bring them closer to STEM topics and to contribute to reduce the gender gap in such topics.

She is referee for several international journals and appears regularly in organizing committees of

international and national conferences and workshops serving as program chair, track chair, member of program committees, member of organizing committes. In particular from 1996 to 2005 she was in the Organizing and Steering Committees of the International Working Conference on Advanced Visual Interfaces (AVI) series, and from 2009 to 2016 she was in the Organizing Committee of the International Conferences on Information Systems (itAIS series) organized annually by the Italian Chapter of AIS.

Main projects

SoBigData.it – PNRR M4/C2/L 3.1.1 Project – Research Infrastructure for Social Mining and Big Data Analytics

VITALITY – PNRR M4/C2 – Ecosistema Innovazione, digitalizzazione e sostenibilità per l'economia diffusa nel Centro Italia

Progetto AGID-MUR – Applicazioni innovative di Realtà Virtuale e Aumentata per persone con una condizione dello spettro autistico – CIG 7151860D90

TERENCE – EU Project, FP7-ICT-2009-5 – An adaptative learning system for reasoning about stories with poor comprehenders and their educators

HOPES – EU Project, AAL – Help and social interaction for elderly on a multimedia platform with e-social best practices

SPADA, MIUR Project – Rappresentazione ed elaborazione di dati spaziali nei sistemi informativi territoriali

MAGICA – EU Project, IE 173 – Multimedia Agent Based Interactive Catalogues (feasibility study)

MILORD – EU Project, AIM, n. 2024 – Multimedia Interaction with Large Object-oriented Radiological and clinical Databases

KIWIS – EU Project, ESPRIT n. 2424 – Advanced Knowledge-based Environments for Large Database Systems

KIWI – EU Project, ESPRIT n. 1117 – Knowledge-based User-friendly Interfaces for the Utilization of Information bases

Awards

2019 – Best application paper of the 2019 International Conference on Methodologies and Intelligent Systems for Technology Enhanced Learning (Mis4tel 2019): T. Di Mascio, L. Tarantino, G. De Gasperis, M.C. Pino, "Immersive virtual environments for ASD treatment: a usability comparison of Virtual Reality and Mixed Reality headsets"

2011 – Best conference paper of the International Conference "itAIS 2011 – Information Systems: a crossroads for Organization, Management, Accounting and Engineering ", Rome, Italy, October 7-8 2011: A. Melonio, L. Tarantino, and T. Di Mascio, "Towards ICT support for elderly displaced people: looking for natural gestures"

Recent scientific organization activities

Member of the reviewer board of Sensors – MDPI

Regular reviewer for Applied Science – MDPI, Multimedia Tools and Applications – Springer

Reviewer for JVLC (Journal of Visual Languages and Computing - Elsevier), • IJTEL (International Journal on Technology Enhanced Learning – Inderscience Publishers), FGCS (Future Generation Computer Systems – Elsevier)

Program co-chair of mis4TEL 2020 (International Conference in Methodologies and Intelligent Systems for Technology Enhanced Learning)

Advisory Committee member of ECIS 2018 (European Conference on Information Systems)

Associate Editor for the SocioTechnical Track at ECIS 2018 (European Conference on Information Systems)

Member of the Organizing and Steering Committees of the International Working Conference on Advanced Visual Interfaces (AVI) series from 1996 to 2005

Member of the Organizing Committee of the International Conferences on Information Systems (itAIS series) from 2009 to 2016

Program committee member of

- STPIS'23 - 9th International Workshop on Socio-Technical Perspective in IS development (STPIS'23)
- CHItaly 2023 ((15th Biannual International Conference of the Italian SIGCHI Chapter)
- mis4TEL 2023 (13th International Conference on Methodologies and Intelligent Systems for Technology Enhanced Learning)
- IBIMA Conference 2022 (International Conference of the International Business Information Management Association)
- STPIS'22 - 8th International Workshop on Socio-Technical Perspective in IS development (STPIS'22)
- mis4TEL 2022 (International Conference in Methodologies and Intelligent Systems for Technology Enhanced Learning)
- STPIS'21 - 7th International Workshop on Socio-Technical Perspective in IS development (STPIS'21)
- itAIS 2021 (International Conference of the Italian Chapter of the Association for Information Systems)
- mis4TEL 2021 (International Conference in Methodologies and Intelligent Systems for Technology Enhanced Learning)
- CHItaly 2021 (International Conference of the Italian SIGCHI Chapter)
- STPIS'20 - 6th International Workshop on Socio-Technical Perspective in IS development (STPIS'20)
- WomENcourage 2019 (6th ACM Celebration of Women in Computing: womENcourage)
- CHItaly 2019 (International Conference of the Italian SIGCHI Chapter)
- mis4TEL 2019 (International Conference in Methodologies and Intelligent Systems for Technology Enhanced Learning)
- mis4TEL 2018 (International Conference in Methodologies and Intelligent Systems for Technology Enhanced Learning)
- IBIMA Conference 2018 (International Conference of the International Business Information Management Association)
- mis4TEL 2017 (International Conference in Methodologies and Intelligent Systems for Technology Enhanced Learning)
- CHItaly 2017 (International Conference of the Italian SIGCHI Chapter)
- mis4TEL 2016 (International Conference in Methodologies and Intelligent Systems for Technology Enhanced Learning)

- IBIMA Conference 2016 (International Conference of the International Business Information Management Association)
- SEBD 2016 (Italian Symposium on Advanced Database Systems)
- itAIS 2016 (International Conference of the Italian Chapter of the Association for Information Systems)

Teaching activities

• **Interactive Systems Design**, Corso di Laurea Magistrale in Ingegneria Informatica, Università degli Studi dell'Aquila	2022-today
• **Calcolatori Elettronici**, Corso di Laurea in Ingegneria dell'Informazione, Università degli Studi dell'Aquila	2012-today
• **Interactive Systems Design**, Corso di Laurea Magistrale in Ingegneria Informatica ed Automatica, Università degli Studi dell'Aquila	2018-2021
• **Progettazione di Sistemi Interattivi** (già Sistemi di Elaborazione dell'Informazione I), Corso di Laurea Magistrale in Ingegneria Informatica ed Automatica, Università degli Studi dell'Aquila	2003-2017
• **Calcolatori Elettronici e Sistemi Operativi** – cotitolarità, Corsi di Laurea in Ingegneria Informatica ed Automatica, Ingegneria Elettronica, Ingegneria delle Telecomunicazioni, Università degli Studi dell'Aquila	2009-2012
• **Calcolatori Elettronici**, Corsi di Laurea in Ingegneria Informatica ed Automatica, Ingegneria Elettronica, Ingegneria delle Telecomunicazioni, Università degli Studi dell'Aquila	2001- 2008
• **Fondamenti di Informatica**, Corso di Laurea in Ingegneria Gestionale (triennale) Università degli Studi dell'Aquila. Corsi di Laurea in Ingegneria Elettronica, Ingegneria Edile (percorso quinquennale)	2004-2006 1996-1997
• **Fondamenti di Informatica II**, Corso di Laurea in Ingegneria Elettronica (percorso quinquennale), Università degli Studi dell'Aquila	1998-2000
• **Calcolatori Elettronici**, Corso di Laurea in Ingegneria Elettronica (percorso quinquennale), Università degli Studi dell'Aquila	1994- 2000

Recent publications

2023

- L. Tarantino, M. Attanasio, T. Di Mascio, G. De Gasperis, M. Valenti, M. Mazza (2023). **On the evaluation of engagement in immersive applications when users are on the autism spectrum**. Sensors 2023, 23(4), 2192. https://doi.org/10.3390/s23042192

2022

- A. Di Marco, L. Tarantino (2022). **Pinkbook 2022 - Le ragazze contano!**, Arkhè Edizioni, L'Aquila, Italy, 2022.
- A. Salutari, L. Tarantino (2022). **TEL intervention enhancement: the link between users' and system's perspective**. In Proc. of Workshop on Reflections and Dialogues around Smart

Technology (ResiSTo), 12th Intl Conf on Methodologies and Intelligent Systems for Technology Enhanced Learning, L'Aquila, 13 - 15 July, 2022.

- A. Salutari, L. Tarantino. G. De Gasperis (2022). **BlocksBot: towards an empathic robot offering multi-modal emotion detection based on a distributed hybrid system**. In Proc. of HCI International Conference 2022, 26 June - 1 July, virtual.

- A. Salutari, L. Tarantino (2022). **Analysis of a distributed hybrid MAS Approach for Information System Development**. In Proc. of 15th IADIS INTERNATIONAL CONFERENCE INFORMATION SYSTEMS 2022, IADIS Press, March 12-14, 2022, Porto (Portugal).

2021

- L. Tarantino, A. Di Marco (2021). **Gender equality: the need for explicit address and actions in ICT and STS agendas**. In Proc. of 7th International Workshop on Socio-Technical Perspective in IS development (STPIS'21), 11-12 October 2021.

- L. Tarantino, D. Angelucci, A. Bonomo, A. Cardinali, S. Di Paolo (2021). **Design and Applications of GLANCE: GLanceable Alarm Notification for a user Centered Experience**, Appl. Sci.**2021**, 11(2), 669; https://doi.org/10.3390/app11020669

- A. Di Marco, L. Tarantino (2021). **Pinkbook 2021 - Le ragazze contano!**, Arkhè Edizioni, L'Aquila, Italy, 2021.

- T. Di Mascio, F. Caruso, L. Tarantino, G. Valente (2021). **MONICA Vision: An Approach, a Model and the Interactive Tools for Cyber-Physical Systems Designers**, In Proc. of CHItaly 2021: 14th Biannual Conference of the Italian SIGCHI Chapter.

- A. Salutari, L. Tarantino, M. Evangelista, G. Nazzicone (2021).**The Hybrid MAS Approach for Information System Development in "Cyber Trainer"**. In Proc. of 14th IADIS INTERNATIONAL CONFERENCE INFORMATION SYSTEMS 2021, (eds., Miguel Baptista Nunes, Pedro IsaiÌ as, and Philip Powell), IADIS Press, March 3-5, 2021, pp. 275-281.

2020

- D. Cassioli, A. Di Marco, T. Di Mascio, L. Tarantino, P. Inverardi (2020). **Is Really IoT Technology Gender Neutral?**. In Proc. in IEEE International Workshop on Metrology for Industry 4.0 IoT,2020, Roma, Italy. pp.324-328.

- L. Tarantino (2020). **Designing with socio-technical aspects in mind starts with University courses: an experience within an HCI course**, In Proc. of 6th International Workshop on Socio-Technical Perspective in IS development (STPIS'20), June 2020.

- A. Di Marco, L. Tarantino (2020), **Pinkbook 2020 - Le ragazze contano!**, Arkhè Edizioni, L'Aquila, Italy, 2020.

- A. Di Marco, L.Tarantino (2020). **PinKamP: a novel educational format for the recruitment of high school girls in STEM subjects**. In Proc. of EDULEARN2020, 2020.

- T. Di Mascio, L. Tarantino, F. Caruso (2020). **Towards a gamified musical skill learning model (mus-lm): structural aspects**. In Proc. of the 10th International Conference in Methodologies and Intelligent Systems for Technology Enhanced Learning: MIS4TEL 2020. Advances in Intelligent Systems and Computing.

- T. Di Mascio, L. Tarantino, G. De Gasperis, C. Pino (2020). **Immersive virtual environments: A comparison of mixed reality and virtual reality headsets for ASD treatment**. In: Gennari R. et al. (eds) Methodologies and Intelligent Systems for Technology Enhanced Learning, 9th International Conference. MIS4TEL 2019. Advances in Intelligent Systems and Computing, vol 1007. Springer, Cham. https://doi.org/10.1007/978-3-030-23990-9_19.

2019

- L. Tarantino, G. De Gasperis, T. Di Mascio, MC. Pino (2019). **Immersive applications: what if users are in the autism spectrum?** In Proc. of the 17th International Conference on Virtual-Reality Continuum and its Applications in Industry Nov 14 (pp.1-7).

- A. Di Marco, L. Tarantino (2019). **PinKamP: Recruitment in STEM subjects begins with high school girls**. In Proc. of Intl Conference on Inequality vs inclusiveness in changing academic governance: policies, resistances, opportunities, Naples, 16-17 September 2019.

- T. Di Mascio and L. Tarantino (2019). **A novel children-oriented data-gathering technique**. In Proc. of 6th ACM Celebration of Women in Computing: womENcourage2019; September 16th-18th 2019, Rome(Italy).

- T. Di Mascio, L. Tarantino (2019). **The Structured Methodological Framework Deejay: Foundation and Its Application to the Design of an ASD-Oriented AAC Tool.** In: Rehm M., Saldien J., Manca S. (eds) Project and Design Literacy as Cornerstones of Smart Education. Smart Innovation, Systems and Technologies, vol 158. Springer, Singapore. https://doi.org/10.1007/978-981-13-9652-6_22

2018

- T. Catarci, L. Tarantino et al. (2018). **Digital interaction: where are we going?** In Proc. of 2018 International Conference on Advanced Visual Interfaces, ACM Press, May 2018.

- T. Di Mascio, L. Tarantino, L. Cirelli, S. Peretti, and M. Mazza (2018). **Designing a personalizable ASD-oriented AAC tool: an action research experience**. In: Methodologies and Intelligent Systems for Technology Enhanced Learning, 8th International Conference. MIS4TEL 2018. Advances in Intelligent Systems and Computing, vol 804. Springer, Cham. https://doi.org/10.1007/978-3-319-98872-6_24

2017

- G. De Gasperis, T. Di Mascio, and L.Tarantino (2017). **Toward a cognitive robotics laboratory based on a technology-enhanced learning approach**. In: Methodologies and Intelligent Systems for Technology Enhanced Learning (MIS4TEL2017). Advances in Intelligent Systems and Computing, vol 617, pp. 101-109, Springer Cham. June 21st-23rd 2018, Porto (Portugal). ISBN (Print): 978-3-319-60818-1, doi:10.1007/978-3-319- 60819- 812.

- T. Di Mascio, R. Gennari, L. Tarantino, and P. Vittorini (2017). **Designing visualizations of temporal relations for children: action research meets HCI.** MULTIMEDIA TOOLS AND APPLICATIONS, Vol. 76 Issue 4, pp. 4855-4893, February 2017, Springer US. ISSN: 1380- 7501(Print), doi:10.1007/s11042-016-3609-6.

2016

- L. Tarantino, M. Mazza, M. Valenti, G. De Gasperis (2016). **Towards an Integrated Approach to Diagnosis, Assessment and Treatment in Autism Spectrum Disorders via a Gamified TEL System**. In: Methodologies and Intelligent Systems for Technology Enhanced Learning. Advances in Intelligent Systems and Computing, vol 478. Springer, Cham. https://doi.org/10.1007/978-3-319-40165-2_15

- S. Costantini, G. De Gasperis, G. Nazzicone, L. Tarantino (2016). **Context and action: A unitary vision within a logic-based multi-agent environment.** In: Digitally Supported Innovation, Springer, Cham, pp. 97-111.

- T. Di Mascio and L. Tarantino L (2016). **New design techniques for new users: an AR-based approach**. In Proc. of 12th Conference of the Italian Chapter of Advanced Information Systems (ItAIS2015), October 09th-10th, Rome(Italy).

- T. Di Mascio, F. Gobbo, and L. Tarantino (2016). **Requirements and Open Issues for ISs Supporting Dynamic Community Bonding in Emergency Situations**. In: Empowering Organizations. Lecture Notes in Information Systems and Organisation, vol.11, Springer Cham, pp. 257-271.

- T. Di Mascio, R. Gennari, A. Melonio, and L. Tarantino (2016). **Supporting Children in Mastering Temporal Relations of Stories: The TERENCE Learning Approach**. INTERNATIONAL JOURNAL OF DISTANCE EDUCATION TECHNOLOGIES, Vol. 14 Issue 1, pp. 44-63, January 2016, IGI Publishing Hershey, PA, USA. ISSN: 1539-3100(Print), doi: 10.4018/IJDET.2016010103.

2015

- S. Costantini, G. De Gasperis, L. Tarantino (2015). **Disaster Response: a Multi-agent based approach.** In Proc. of 11th Biannual Conference on Italian SIGCHI Chapter (CHItaly2015) - Poster Session.
- T. Di Mascio, L. Tarantino, and G. De Gasperis (2015). **If Usability Evaluation and Software Performance Evaluation Shook Their Hands: A Perspective**. In Proc. of 2015 International Conference on Product-Focused Software Process Improvement (PROFES2015), Lecture Notes in Computer Science, vol 9459, pp.479-489, Springer Cham. December 2nd-4th 2015, Bolzano (Italy). ISBN (Print): 978-3-319-26843-9, doi: 10.1007/978-3-319-26844-635.
- T. Di Mascio and L. Tarantino (2015). **Designing for children: blending HCI and Action Research.** In Proc. of 11th Biannual Conference on Italian SIGCHI Chapter (CHItaly2015), pp.1-9, ACM New York, NY. September 28th-30th 2015, Rome (Italy). ISBN: 978-1-4503-3684-0, doi:10.1145/2808435.2808462.
- T. Di Mascio, L. Tarantino, P. Vittorini, and M.R. Cecilia (2015). **Learning temporal connectives by playing: the TERENCE experience with children.** In e-Proc. of PALX Workshop (CHItaly 2015). September 28th-30th 2015 Rome(Italy).
- T. Di Mascio and L. Tarantino (2015). **Towards children-oriented visual representations for temporal relations.** In: Methodologies and Intelligent Systems for Technology Enhanced Learning. Advances in Intelligent Systems and Computing, vol 374, pp. 81-89, Springer Cham. ISBN (Print): 978-3-319-19631-2, doi:10.1007/978-3-319-19632-911.

2014

- M.R. Cecilia, T. Di Mascio, L. Tarantino, and P. Vittorini (2014). **Designing TEL products for poor comprehenders: Evidences from the evaluation of TERENCE**. INTERACTION DESIGN AND ARCHITECTURE (S) JOURNAL (IxD&A), vol.23,pp.50-67,December2014,Scuola IaD. ISSN:1826-9745(Print).
- T. Di Mascio, L. Tarantino, R. Gennari, and A. Melonio (2014). **Engaging new users into design activities: the TERENCE experience with children**. In: Smart organizations and smart artifacts, Springer, Cham, vol 7, pp.241-250.
- T. Di Mascio, A. Melonio, L. Tarantino, and P. Vittorini (2014). **Many Children and Short Project Timing: How TERENCE Harmonized These Conflicting Requirements**. In: Methodologies and Intelligent Systems for Technology Enhanced Learning. Advances in Intelligent Systems and Computing Series, vol. 292, pp. 69-76, Springer Cham. ISBN (Print): 978-3-319- 07697-3, doi: 10.1007/978-3-319-07698-09.

2013

- L. Tarantino, P. Spagnoletti (2013). **Can design science research bridge computer human interaction and information systems?** In: Organizational Change and Information Systems, Springer, Berlin, Heidelberg, pp. 409-418.
- P. Spagnoletti, L. Tarantino (2013). **User Centered Systems Design: The bridging role of justificatory knowledge.**In: Designing Organizational Systems, Springer, Berlin, Heidelberg, pp. 105-121.
- P. Caianiello, S. Costantini, F. Gobbo, D. Leombruni, L. Tarantino, (2013). **The Adoption of Urban Public Space as a Driving Force for Third Places in the Remediation of Democracy.** In Proc of *CHI'13*, April 27 - May 2, Paris, France. Workshop HCI3P.
- T. Di Mascio, L. Tarantino, P. Vittorini, and M. Caputo (2013). **Design choices: affected by user feedback? affected by system performances? Lessons learned from the TERENCE project.** In Proc. of 10th Biannual Conference on

Italian SIGCHI Chapter (CHItaly2013). ACM New York, NY, USA. September 16th-20th 2013, Trento (Italy). ISBN: 978-1-4503- 2061-0,doi:10.1145/2499149.2499171.

- T. Di Mascio, F. Gobbo, and L. Tarantino (2013). **Supporting dynamic community bonding in emergency situations.** In Proc. of 21st Italian Symposium on Advanced Database Systems (SEBD2013), pp. 207. June 30th - July 3rd, Rocella Ionica, Reggio Calabria (Italy).ISBN:9781629939490.

2012

- P. Spagnoletti, A. Resca, V. Russo, F. Taglino, L. Tarantino (2012). **Building theories from IT project design: The HOPES case.** In: Information systems: crossroads for organization, management, accounting and engineering, Physica, Heidelberg, pp. 451-459.
- A. Melonio, L. Tarantino, and T. Di Mascio (2012). **Towards ICT support for elderly displaced people: looking for natural gestures**. In: Information systems: crossroads for organization, management, accounting and engineering, Physica, Heidelberg, pp. 135-143.
- F.M. Barbini, A. D'Atri, L. Tarantino, S. Za (2012). **A new generation DMS for supporting social sensemaking**. In: Information systems: crossroads for organization, management, accounting and engineering, Physica, Heidelberg, pp. 105-112.
- T. Di Mascio, P. Spagnoletti, L. Tarantino, and S. Za (2012). **Successful UCD Practices under IT Project Constraints**. In Proc.of IADIS: International Conference Information Systems.pp. 433-437. March 10th-12th 2012, Berlin (Germany). ISBN:9789728939687.

2011

- A. D'Atri, L. Tarantino, S. Za, F. M. Barbini (2011). **ICT support to the reconstruction of social meanings after a disaster.** In. Proc. of IADIS 2011.
- D. Angelucci, A. Cardinali, L. Tarantino (2011). **A customizable glanceable peripheral display for monitoring and accessing information from multiple channels.**In: Information Technology and Innovation Trends in Organizations, Physica-Verlag HD, pp. 199-207.
- A. Bonomo, T. Di Mascio, and L. Tarantino (2011). **A service-oriented fault monitor for digital terrestrial television broadcasting networks.** In Proc. of 09th Biannual Conference on Italian SIGCHI Chapter (CHItaly2011), pp-92-95. September 13th-16th 2011, Alghero (Italy). doi: 10.1145/2037296.2037320.
- T. Di Mascio, A. Laudisio, M. Missikoff, P. Spagnoletti, V. Russo, and L. Tarantino (2011). **HOPES: una piattaforma multimediale per favorire l'interazione sociale e l'aiuto agli anziani.** E-HEALTH CARE: innovazione e tecnologie in sanità, Vol. 15, pp. 20-27, December 2011, Edisef. ISSN:2038-4238.

2010

- M.F. Costabile, L. Tarantino (2010). **Human computer interaction**. In: Management of the Interconnected World, Physica-Verlag.
- T. Di Mascio, D. Frigioni, and L. Tarantino (2010). **VISTO: A new CBIR system for vector images**. INFORMATION SYSTEMS, Vol. 35 Issue 7, pp. 709-734, November 2010, Elsevier. ISSN: 0306-4379, doi:0.1016/j.is.2009.10.003.

2009

- L. Tarantino (2009). **Detail filtering in geographic information visualization**. *In:* ADVANCED GEOGRAPHIC INFORMATION SYSTEMS-Volume I, EOLSS Publications.

- D. Angelucci, S. Di Paolo, L. Tarantino (2009). **Designing a glanceable peripheral display for severity-based multiple alarm notification**. In Proc. of 2nd Conference on Human System Interactions, pp. 242-246.

- A. Banzato, A. D'Atri, E. D'Atri, A. De Nicola, T. Di Mascio, M. Imbriglio, M. Missikoff, F. Taglino, L. Tarantino, S. Za (2009). **EagleVox: piattaforma semantica per la partecipazione sociale alla ricostruzione dell'Aquila**. In Proc. of the 2nd Interop-VLab.it Workshop, AICA National Congress 2009, Rome, Italy, 06 November 2009.

- S. Di Paolo, L. Tarantino (2009). **A peripheral notification display for multiple alerts: design rationale**. In: Information systems: people, organizations, Institutions, and Technologies, Physica-Verlag HD, pp. 521-528.

2000-2008

- T. Di Mascio, D. Frigioni, and L. Tarantino (2007). **Evaluation of a CBIR for Vector Image.** In Proc. of 07th Biannual Conference on Italian SIGCHI Chapter (CHITALY07), June27th-30th, 2007. Padova (Italy).

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