

PERSONAL INFORMATION

Maria F. Costabile



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Sex F | Date of birth 05/06/1955 | Nationality Italian
h-index: 36 (Scholar), 25 (Scopus). Total citations: 5669 (Scholar), 2490 (Scopus)

Table with 3 columns: Enterprise, University, and EPR. It lists various academic and professional levels such as Management Level, Full professor, Associate Professor, and Researcher and Technologist.

WORK EXPERIENCE

01/03/2000 – Today Full Professor (SSD INF/01) – University of Bari Aldo Moro – Computer Science Department – Via E. Orabona 4, 70125 Bari, Italy
07/02/1989 – 28/02/2000 Associate Professor – University of Bari Aldo Moro – Computer Science Department – Via E. Orabona 4, 70125 Bari, Italy
01/11/1981 – 06/02/1989 Assistant Professor – University of Bari Aldo Moro – Computer Science Department – Via E. Orabona 4, 70125 Bari, Italy
01/01/1978 – 31/10/1981 Research fellow – CNR - University of Calabria – Department of Mathematics
Sector: SSD INF/01

EDUCATION AND TRAINING

Prof. Costabile got her Laurea Degree in Mathematics at the University of Calabria in 1977. Since January 1978 she did research at the University of Calabria and since 1989 at the University of Bari, as well as in foreign institutions, collaborating with several Italian and foreign researchers. Research interests of MF Costabile were initially in image analysis and computer vision. Since 1989 her research addressed visual languages and HCI, because the main objective of her research became reducing the semantic gap between the computer and the user, designing new human-centred interfaces that understand the user behaviour rather than impose a machine-oriented behaviour. Her current interests are on: end-user development, information visualization, usability engineering and UX, usable security, Human-Centred Artificial Intelligence. She has published more than 250 papers in scientific journals, books and proceedings of international conferences on the above topics, and edited 7 books, published by ACM Press and Springer Verlag. Some co-authors are students who majored in Computer Science under her supervision, and PhD students that are now researchers or professors at universities and research centres. Prof. Costabile has carried out research in various Italian and foreign universities. The longest periods of research at foreign institutes were at the Rensselaer Polytechnic Institute, NY, USA (3 months in 1979), the University of Munster, Germany (three months in 1980), the University of Bonn, Germany (9 months 1983-84), the University of Houston, TX, USA (12 months 1986-87), the University of Pittsburgh, PA, USA (3 months, 1991).

PROJECTS

She received research funds from many Italian and foreign organizations and coordinated several research projects, primarily in the years 2000-2014. In particular, she was Scientific Coordinator of UNIBA research unit for:
- EC project FAIRWIS "Trade Fair Web-based Information Services", IST-1999-12641.
- EC project FAIRSNET "On-line Solutions for Trade Fairs", IST-2001-34290.
- EC project EUD-Net "Empowering people to flexibly employ advanced information and communication technology", IST-2001-37470.

COMMUNITY SERVICE

With her scientific work and her commitment to organization of events at both national and international levels, M. F. Costabile has played since the early 90's a major role in the development of Human-Computer Interaction (HCI). In 1996 she founded the Italian Chapter of ACM SIGCHI, that she chaired from 1996 to 2000. She is still very active in the Chapter. She was one of the three founders and organizers of the series of International Conferences of Advanced Visual Interfaces (AVI), held since 1992 every two years in cooperation with ACM SIGCHI. AVI 92 was the first international event on HCI issues organised in Italy by computer scientists. Program Co-Chair of AVI 96 and AVI 98, General Chair of AVI 2004, member of the Steering Committee until 2010, General Chair of AVI 2016, and again member of the Steering Committee up to today.

Program Co-Chair of the Tenth IFIP TC13 International Conference on Human-Computer Interaction (HCI) INTERACT 2005 (Rome, September 2005).
 Program Co-Chair of ACM CHI 2008 (Florence, 5-10 April 2008), the most important international conference in HCI.
 On July 2014, M. F. Costabile was invited by Dr. Emilio Simonetti, of the Department of Public Administration of the Italian Government, to become member of the Italian Working Group on Usability, called GLU (the acronym is for the Italian "Gruppo di Lavoro per l'Usabilità"). This group is doing a great work in Italy in order to improve the usability of Public Administration websites and other e-government systems.
 She is regularly in the PC of international conferences on topics of her interest.

INSTITUTIONAL RESPONSIBILITIES

2016 - 2018	Chair of the Commission nominated by the Italian Ministry of University and Research to evaluate the scientific qualification of people who want to apply for associate or full professor in Computer Science at the Italian universities (Abilitazione Scientifica Nazionale – ASN), (SSD INF-01). In the 5 rounds of the evaluation, the Commission evaluated 1252 applications of people working in either Italian or foreign universities and research centers
2014 – present	Member of the Research Evaluation Committee of Computer Science Dept., UNIBA
March 2016 – present	Coordinator of the PhD Programme in Computer Science and Mathematics of the University of Bari. In the previous years, she has been member of the Academic Board of all cycles of the PhD Programme in Computer Science of the University of Bari.
2015 – 2020	Member of the Advisory Board of GRIN
2013 - 2018	Member of "Presidio della Qualità" (Quality Committee) of UNIBA
2013 - 2018	Director of the UNIBA unit of CINI (the National Computer Science Consortium of Italian Universities).
2009 - 2014	Member of Didactic Committee of GRIN (the Italian Group of Researchers on Computer Science)
2009 – 2011	Coordinator of undergraduate Computer Science Curriculum of UNIBA in Brindisi
2006 – 2008	Coordinator of undergraduate Computer Science Curriculum of UNIBA, both in Bari and in Brindisi
2003 – 2005	Coordinator of undergraduate and graduate Computer Science Curricula of UNIBA

PHD SUPERVISION

She has been supervisor of several PhD students, some of which are now university professors.

TEACHING

Beside teaching "HCI", a basic course for undergraduates in Computer Science of the University of Bari, and "Interaction Design" and "HCI in Cybersecurity" for graduate students in Computer Science of the University of Bari, she taught various courses for both undergraduate and graduate Computer Science curricula, for the School of Specialization for Secondary School Teachers, for the PhD Program in Computer Science.

FELLOWSHIPS AND AWARDS

The IEEE Symposium on Visual Languages/Human Centric Computing offers the "Most Influential Paper Award" for important influences on VL/HCC research or commerce over the last 20 years. The 2014 Award was presented to M. F. Costabile, together with Paolo Bottoni, Stefano Levialdi e Piero Mussio for their paper titled "Formalising Visual Languages", presented at the Symposium in 1995.

Maria Francesca Costabile received the following awards from ACM:
 1) for her commitment in chairing the Italian Chapter of ACM SIGCHI;
 2) for her commitment in AVI conferences;
 3) 2018 ACM SIGCHI Lifetime Service Award.

Memberships

Life member of IEEE
 Member of ACM and ACM SIGCHI
 Member of the Italian Chapter of ACM SIGCHI.

ADDITIONAL INFORMATION

Patents

Multimedia Infrastructure and method to guide a visit to a site of interest.
 Inventors: Carmelo Ardito, Paolo Buono, Maria Francesca Costabile, Rosa Lanzilotti, Antonio Piccinno. Dipartimento di Informatica, Università degli Studi di Bari Aldo Moro.
 Industrial Patent (Italian) N. 0001401512 of 2013

Publications

- Desolda G., Ferro L. S., Marrella A., Catarci T., Costabile M. F. (2021). Human Factors in Phishing Attacks: A Systematic Literature Review. In ACM Computing Surveys. 54, 8, Article 173, 35 pages. ACM, New York, NY, USA. DOI:<https://doi.org/10.1145/3469886>.
- Buono P., Caivano D., Costabile M.F., Desolda G. and Lanzilotti R. (2020) Towards the Detection of UX Smells: The Support of Visualizations. IEEE ACCESS, vol. 8, pp. 6901-6914, 2020, DOI: 10.1109/ACCESS.2019.2961768
- Russo P., Lanzilotti R., Costabile M.F., Pettit C.J. (2018). Towards satisfying practitioners in using Planning Support Systems. COMPUTERS, ENVIRONMENT AND URBAN SYSTEMS, 67, pp. 9-20.

- Russo P., Lanzilotti R., Costabile M.F., Pettit C.J. (2018). Adoption and use of software in land use planning practice: A multiple-country study. INTERNATIONAL JOURNAL OF HUMAN-COMPUTER INTERACTION, 34(1), 57-72, doi:10.1080/10447318.2017.1327213.
- Ardito C., Buono P., Costabile M. F., Desolda G. (2015). Interaction with large displays: a survey. ACM COMPUTING SURVEYS, vol. 47, p. 1-35, ISSN: 0360-0300, doi: 10.1145/2682623
- R. Lanzilotti, C. Ardito, M.F. Costabile, A. De angeli, G. Desolda (2015). Pupils' Collaboration around a Large Display, JOURNAL OF VISUAL LANGUAGES AND COMPUTING, Part B, 206-214, issn: 1045-926X, doi: 10.1016/j.jvlc.2015.10.0204
- Ardito C., Buono P, Caivano C., Costabile M. F., Lanzilotti R. (2014). Investigating and promoting UX practice in industry: an experimental study. INTERNATIONAL JOURNAL OF HUMAN-COMPUTER STUDIES, vol. 72, p. 542-551, ISSN: 1071-5819, doi: http://dx.doi.org/10.1016/j.ijhcs.2013.10.004i
- Ardito C., Bottoni P., Costabile M. F., Desolda G., Matera M., Picozzi M. (2014). Creation and Use of Service-based Distributed Interactive Workspaces. JOURNAL OF VISUAL LANGUAGES AND COMPUTING, vol. 25, p. 717-726, ISSN: 1045-926X, doi: 10.1016/j.jvlc.2014.10.018
- Ardito C., Buono P., Caivano D., Costabile M. F., Lanzilotti R., Dittrich Y. (2014). Human-Centered Design in Industry: Lessons from the Trenches. IEEE COMPUTER, vol. 47, p. 86-89, ISSN: 0018-9162, doi: 10.1109/MC.2014.355
- Ardito C., Costabile M. F., Desolda G., Lanzilotti R., Matera M., Piccinno A., Picozzi M. (2014). User-Driven Visual Composition of Service-Based Interactive Spaces. JOURNAL OF VISUAL LANGUAGES AND COMPUTING, vol. 25, p. 278-296, ISSN: 1045-926X, doi: 10.1016/j.jvlc.2014.01.003
- Buono P, Costabile M. F., Lanzilotti R (2014). A Circular Visualization of People's Activities in Distributed Teams. JOURNAL OF VISUAL LANGUAGES AND COMPUTING, vol. 25, p. 903-911, ISSN: 1045-926X, doi: 10.1016/j.jvlc.2014.10.025
- Ardito C., Buono P., Costabile M. F., Lanzilotti R., Piccinno A. (2012). End users as co-designers of their own tools and products. JOURNAL OF VISUAL LANGUAGES AND COMPUTING, vol. 23, p. 78-90, ISSN: 1045-926X, doi: 10.1016/j.jvlc.2011.11.005
- Ardito C., Costabile M. F., de Angeli A., Lanzilotti R. (2012). Enriching archaeological parks with contextual sounds and mobile technology. ACM TRANSACTIONS ON COMPUTER-HUMAN INTERACTION, vol. 19(4), p. 1-30, ISSN: 1073-0516, doi: 10.1145/2395131.2395136

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Bari, 20/04/2022

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