



Arianna D'Ulizia

Researcher

Profile summary

- She is currently a Researcher with the Institute of Research on Population and Social Policies, National Research Council of Italy, Rome.
- She is mainly interested in human-computer interaction, multimodal interaction, visual languages, geographical query languages, social computing, risk governance, knowledge management and innovation.

Education

- M.S. degree in computer science engineering from the University of Rome "La Sapienza", Rome, Italy in 2005
- Ph.D. degree in computer science and automation from the University of "Roma Tre", Rome in 2009.

Professional experiences

- From 2006 to 2015, she was program chair of several International Workshops and Conferences, such as the Workshop on Mobile and Networking Technologies for Social Applications (MONET), Workshop on Social and MOBILE Computing for collaborative environments (SOMOCO) and Workshop on Mobile and Social Computing for collaborative interactions (MSC), and International Conference on Responsible Research and Innovation in Science, Innovation and Society (RRI-SIS).
- She is involved in the Editorial board of several international journals in the field of computer science, such as the Journal of Universal Computer Science (J.UCS), International Journal of Applied Logistics (IJAL), International Journal of Mobile Computing and Multimedia Communications (IJMCMC), FTRA Journal of Convergence, etc.
- She is involved also as Reviewer of several international journals, such as Multimedia Tools And Applications (MTAP), PLoS One, Control & Cybernetics, International Journal of Innovation and Regional Development, IEEE Transactions on Human-Machine Systems, Advanced Robotics, etc.
- She was a guest editor for several special issues of several international journals, such as Journal of Computing Science and Engineering, Journal of Next Generation Information Technology, and Multimedia Tools and Applications.
- From 2016, she was a scientific reviewer for several research projects, i.e. 6 PRIN, 3 FCS-H2020 PON, 1 Agenda Digitale FRI and 1 Young researchers "Rita Levi Montalcini".
- From 2008 to now, she participated in many program committees for national and international conferences and workshops. In 2018, she is

involved in the following 24 program committees:

- 2018 IEEE 1st 5G WORLD FORUM 2018
- 4th International Conference on Geographical Information Systems Theory, Applications and Management (GISTAM 2018)
- The 8th International Conference on Advanced Collaborative Networks, Systems and Applications (COLLA 2018)
- Seventh International Conference on Intelligent Systems and Applications (INTELLI 2018)
- IEEE ICC 2018 Communications QoS, Reliability, and Modeling Symposium
- International Conference on Advances in Computing, Communications and Informatics (ICACCI 2018)
- 2018 IEEE Global Communications Conference (GLOBECOM 2018)
- 20th International Conference on E-health Networking, Application & Services (HealthCom 2018)
- 5th International Workshop on Mobile Applications 2018 (MobiApps 2018)
- Second International Conference on Computing and Network Communications (CoCoNet'18)
- Eighth International Conference on Social Media Technologies, Communication, and Informatics (SOTICS 2018)
- 17th International Conference on Information & Knowledge Engineering (IKE'18)
- The 20th International Conference on Artificial Intelligence (ICAI'18)
- Sixth International Symposium on Intelligent Informatics (ISI'18)
- 3rd International Conference on Education Science and Human Development (ESHD2018)
- International Workshop on Computer-Aided Modeling Analysis and Design of Communication Links and Networks (CAMAD 2018)
- Seventh Symposium on Natural Language Processing (NLP'18)
- International Symposium on Advances in Applied Informatics (SAI'18)
- 15th International Conference on Web Based Communities and Social Media (WBC 2018)
- 12nd International Conference on Interfaces and Human Computer Interaction 2018 (IHCI 2018)
- 2018 IEEE Asia Pacific Conference on Wireless and Mobile (APWiMob 2018)
- The 2018 International Conference on Internet of Things and Intelligence Systems (IOTAIS 2018)
- International Conference on Responsible Research and Innovation: the challenges of the Information and Communication Technologies (RRI-ICT 2018)
- International Conference on Responsible Research and Innovation in Science, Innovation and Society (RRI-SIS 2018)

• She is the author of more than 70 papers in international journals, conferences and books.

• From 2005 to now, she participated in 19 European and national projects. Currently, she is involved in 7 European projects, i.e R-I-PEERS (Pilot experiences for improving gender equality in research

organisations), RRING (Responsible Research and Innovation Networked Globally), BIOVoices (Mobilization of a plurality of voices and mutual learning to accelerate the Bio-based sector), HubIT (The HUB for boosting the Responsibility and inclusiveness of ICT enabled Research and Innovation through constructive interactions with SSH research), IC-Health (Improving digital health literacy in Europe), MARINA (Marine Knowledge Sharing Platform for Federating Responsible Research and Innovation Communities), and Open Doors.

**Most
publications**

relevant

Caschera M.C., D'Ulizia A., Ferri F., Grifoni P. (in press) MONDE: a method for predicting social network dynamics and evolution, *EVOLVING SYSTEMS*, Springer Berlin Heidelberg, <https://doi.org/10.1007/s12530-018-9242-z> – *Article in peer-review journal*

Ferri, F., D'Ulizia, A., Grifoni, P. (in press) Computational Models of Language Evolution: Challenges and Future Perspectives, *JOURNAL OF UNIVERSAL COMPUTER SCIENCE (J.UCS)* – *Article in peer-review journal*

D'Andrea A, D'Ulizia A, Ferri F, Grifoni P (2017). EMAG: An Extended Multimodal Attribute Grammar for Behavioural Features. *DIGITAL SCHOLARSHIP IN THE HUMANITIES*, Oxford University Press, 32 (2): 251-275. ISSN: 2055-7671 – *Article in peer-review journal*

Grifoni P, D'Ulizia A, Ferri F (2016). Computational methods and grammars in language evolution: a survey. *ARTIFICIAL INTELLIGENCE REVIEW*, vol. 45, p. 369-403, ISSN: 0269-2821, doi: 10.1007/s10462-015-9449-3 – *Article in peer-review journal*

Grifoni P., Ferri F., Caschera M.C., D'Ulizia A., Mazzei M. (2014) MIS: Multimodal Interaction Services in a cloud perspective *Journal of Next Generation Information Technology (JNIT)*, Vol. 5, No. 4, pp. 1-10. – *Article in peer-review journal*

Grifoni P., D'Ulizia A., Ferri F. (2014) A Semantic-Based Approach for Context-Aware Service Discovery, *International Journal of Information Systems in the Service Sector (IJISSS)*, 6(4), 1-26. – *Articolo in rivista*

Ferri, F., Grifoni, P., Caschera, M. C., D'Ulizia, A., & Praticò, C. (2013) KRC: KnowInG crowdsourcing platform supporting creativity and innovation. *Advances in Information Sciences & Service Sciences*, 5(16), pp.1-15 – *Article in peer-review journal*

D'Ulizia A, Ferri F, Grifoni P (2012). Moving GeoPQL: a Pictorial Language Towards Spatio-Temporal Queries. *GEOINFORMATICA*, vol. 16, p. 357-389, ISSN: 1384-6175, doi: 10.1007/s10707-011-0135-6 – *Article in peer-review journal*

D'Ulizia A, Ferri F, Grifoni P (2011). A Learning Algorithm for Multimodal Grammar Inference. *IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART B-CYBERNETICS*, vol. 41, p. 1495-1510, ISSN: 1083-4419, doi: 10.1109/TSMCB.2011.2155057 – *Article in peer-review*

journal

D'Ulizia A, Ferri F, Grifoni P (2011). A survey of grammatical inference methods for natural language learning. ARTIFICIAL INTELLIGENCE REVIEW, vol. 36, p. 1-27, ISSN: 0269-2821, doi: 10.1007/s10462-010-9199-1 – *Article in peer-review journal*

D'Ulizia, A., Ferri, F., Grifoni, P. (2010). A similarity assessment method for discovering and adapting business services, Int. J. Computational Science and Engineering, Vol. 5, No. 2, pp.97-109. – *Article in peer-review journal*

D'Ulizia A, Ferri F, Grifoni P (2010). Generating Multimodal Grammars for Multimodal Dialogue Processing. IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART A-SYSTEMS AND HUMANS, vol. 40, p. 1130-1145, ISSN: 1083-4427, doi: 10.1109/TSMCA.2010.2041227 – *Article in peer-review journal*

D'Ulizia A, Ferri F, Formica A, Grifoni P (2009). Approximating Geographical Queries. JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY, vol. 24, p. 1109-1124, ISSN: 1000-9000, doi: 10.1007/s11390-009-9284-6 – *Article in peer-review journal*
