



Arianna D'Ulizia

Ricercatrice

Profilo

- Attualmente è ricercatrice presso il Consiglio Nazionale delle Ricerche, Istituto di Ricerche sulla Popolazione e le Politiche Sociali (IRPPS) di Roma.
- Si occupa di interazione umano-computer, in particolare interazione multimodale, linguaggi visuali e linguaggi di interrogazione geografici, e di social computing, gestione della conoscenza e innovazione.

Istruzione

- Diploma di Laurea in Ingegneria Informatica presso l'Università degli Studi "La Sapienza" di Roma nel 2005
- Dottorato di Ricerca in Informatica e Automazione presso l'Università degli studi di Roma Tre nel 2009.

Esperienze professionali

- Dal 2006 al 2015 ha partecipato al Comitato Organizzativo di vari Workshop e Conferenze internazionali, tra cui il "Workshop on Mobile and Networking Technologies for Social Applications (MONET)", il "Workshop on SOcial and MOBILE COmputing for collaborative environments (SOMOCO)", "Workshop on Mobile and Social Computing for interaction environments (MSC)" e la "International Conference on Responsible Research and Innovation in Science, Innovation and Society (RRI-SIS)".
- È associate editor della rivista IEEE Access.
- È coinvolta nel comitato editoriale di varie riviste internazionali, tra cui il Journal of Universal Computer Science (J.UCS), l'International Journal of Applied Logistics (IJAL) e l'International Journal of Mobile Computing e Multimedia Communications (IJMCMC).
- Svolge attività di referaggio per numerose riviste internazionali, tra cui Multimedia Tools and Applications (MTAP), PLoS One, IEEE Access, Control & Cybernetics, International Journal of Innovation e Regional Development, IEEE Transactions on Human-Machine Systems, Advanced Robotics.
- E' stata guest editor di varie special issue di riviste internazionali, tra cui Journal of Computing Science and Engineering, Journal of Next Generation Information Technology e Multimedia Tools and Applications.
- È valutatore scientifico di vari progetti di ricerca, tra cui 6 Progetti PRIN, 3 Progetti FCS-H2020 PON, 1 Progetto Agenda digitale FRI e 1 Progetto Giovani ricercatori "Rita Levi Montalcini".

È coinvolta in numerosi comitati di programma di conferenze e workshop nazionali e internazionali. Nel 2018 è stata coinvolta nei seguenti comitati di programma:

- 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)

È autrice di oltre 70 lavori su riviste internazionali, atti di conferenze e capitoli di libro.

Dal 2005 ha partecipato a 19 progetti di ricerca Europei e nazionali.

Attualmente, partecipa a 7 progetti Europei, che sono 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) e Open Doors.

Principali pubblicazioni

Ferri, F., D'Ulizia, A., Grifoni, P. (in press) A grammar inference approach for language self-adaptation and evolution in digital ecosystems. *Journal of Intelligent Information Systems* <http://dx.doi.org/10.1007/s10844-019-00566-9> – *Articolo in rivista ISI*

Caschera M.C., D'Ulizia A., Ferri F., Grifoni P. (2019) MONDE: a method for predicting social network dynamics and evolution, *EVOLVING SYSTEMS*, Springer Berlin Heidelberg, Volume 10, Issue 3, pp 363–379 - *Articolo in rivista*

Ferri, F., D'Ulizia, A., & Grifoni, P. (2018). Computational Models of Language Evolution: Challenges and Future Perspectives. *JOURNAL OF UNIVERSAL COMPUTER SCIENCE (J.UCS)*, 24(10), 1345-1377 – *Articolo in rivista ISI*

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 – *Articolo in rivista ISI*

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 – *Articolo in rivista ISI*

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. – *Articolo in rivista*

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 (IJSSS)*, 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 – *Articolo in rivista*

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 – *Articolo in rivista*

rivista ISI

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 – *Articolo in rivista ISI*

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 – *Articolo in rivista ISI*

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. – *Articolo in rivista*

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 – *Articolo in rivista ISI*

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 – *Articolo in rivista ISI*
