

CURRICULUM VITAE ET STUDIORUM

dott.ssa Silvia Rossi
Università degli Studi di Napoli Federico II
Department of Electrical Engineering and Information Technology
Via Claudio - 80125 Napoli - Italy
silvia.rossi@unina.it - silvia.rossi@personalepec.unina.it

Personal Data

Date of birth : May 16, 1977

City of Birth : Caserta (Italy)

Nationality : Italian

Education

- Graduated with honors in Physics, Università di Napoli Federico II. Master thesis on “A multi-agent system for an adaptive navigation support in the web-site of the Herculaneum Excavations”. Advisors prof. G. Trautteur and prof. E. Burattini. The research activities has been carried out at the institute of Cybernetics “E. Caianiello” – CNR (Italian National Council of Research) - Pozzuoli (Napoli).
- Ph.D in Information and Communication Technologies, Università di Trento, Italy. Thesis: “Communication and Overhearing for Modelling and Monitoring Group Interactions”. Advisor: Oliviero Stock, co-advisor: Paolo Busetta. Research activities has been carried out in collaboration with the ITC-irst of Trento - Italy and the Oregon Graduate Institute - Portland OR - USA.

Current Position

Assistant Professor at Università di Napoli Federico II, since March 2009, Dept. of Electrical Engineering and Information Technologies, SSD: INF/01.

Co-Chief Manager of the PRISCA lab (Intelligent Robotics and Advanced Cognitive System Projects).

Member of URBAN/ECO and ICAROS (Interdepartmental Center for Advances in Robotic Surgery) centers.

Honors

Homayoun Saraji Award for Runner-up Paper : E. Burattini, A. Finzi, S. Rossi, M. Staffa (2009). Monitoring strategies for adaptive periodic control in behavior-based robotic systems.

Best Professional Paper award : D. di Nocera, A. Finzi, S. Rossi and M. Staffa (2013). Attentional Shifting and Curiosity: a Reinforcement Learning Approach.

Award of Scientific Excellence S. Rossi, D. Di Nocera, C. Di Napoli (2014). Normal Distributions and Multi-issue Negotiation for Service Composition.

Best Paper Award : S. Rossi and F. Cervone (2016). Social Utilities and Personality Traits for Group Recommendation: A Pilot User Study.

Award of Scientific Excellence S. Rossi, C. Di Napoli, F. Barile, A. Rossi and M. Staffa (2016). Negotiating and Executing Composite Tasks for QoS-Aware Teams of Robots.

Academic service

Member of EUCogII e EUCogIII - 2nd and 3rd European Network for the Advancement of Artificial Cognitive Systems, Interaction and Robotics.

Editorial Activities

- Editor for Intelligent Service Robotics, Springer, ISSN: 1861-2776.
- Guest Editor for Paladyn. Journal of Behavioral Robotics (Special Issue on Behavior Adaptation, Interaction and Learning for Assistive Robotics), 2018.
- Guest Editor for Intelligenza Artificiale, International Journal of the AI*IA vol.9(2), 2015. ISSN 1724-8035.
- Guest Editor for Pattern Recognition Letters (Special Issue on User Profiling and Behavior Adaptation for Human-Robot Interaction), Elsevier, 2017.
- Editor for the volume “Trends in Practical Applications of Scalable Multi-Agent Systems”, Advances in Intelligent Systems and Computing (732), Springer 2016.

Conference organization

- CF 2018 - Local Arrangements Chair - “ACM International Conference on Computing Frontiers”, May 8-10, 2018, Ischia, Italy.
- BAILAR 2017 - organizer of the Workshop on “Behavior Adaptation, Interaction and Learning for Assistive Robotics” @RO-MAN 2017 (IEEE International Symposium on Robot and Human Interactive Communication) - Lisbon (Portugal), 28th August, 2017.
- Fuzz-IEEE 2017 - organizer of the Special Session on “Fuzzy Methodologies for Intelligent Agents and Cognitive Robotics” @FUZZ-IEEE (IEEE International Conference on Fuzzy Systems) 2017, 9-12 July, Naples, Italy.
- AMIRA 2017 - organizer of the Workshop on “Agent Methodologies for Intelligent Robotic Applications” @PAAMS 2017 (Practical Applications of Multi-agent Systems) - Porto (Portugal), 21st-23rd June, 2017.
- Fuzz-IEEE 2017 - Local Arrangements Chair - “IEEE International Conference on Fuzzy Systems” 2017, 9-12 July, Naples, Italy.
- BAILAR 2016 - organizer of the Workshop on “Behavior Adaptation, Interaction and Learning for Assistive Robotics” @RO-MAN 2016 (IEEE International Symposium on Robot and Human Interactive Communication) - NYC (USA), 31st August, 2016.
- AMIRA 2016 - organizer of the Special Session on “Agent Methodologies for Intelligent Robotic Applications” @PAAMS 2016 (Practical Applications of Multi-agent Systems) - Sevilla (Spain), 1st-3rd June, 2016.
- WOA 2015 - General Chair e Program Chair - 11th national workshop “From Objects to Agents”, Napoli, 17-19 June 2015.
- CF 2015 - Local Arrangements Chair - “ACM International Conference on Computing Frontiers”, May 18-21, 2015, Ischia, Italy.

- BVAI 2007 - Local Organizing Committee - second international symposium on “Brain, Vision and Artificial Intelligence”, Napoli, 10-12 October 2007.
- BVAI 2005 - Local Organizing Committee - first international symposium on “Brain, Vision and Artificial intelligence”, Napoli, 19-21 October 2005.
- DGCI 2003 - Scientific Secretary - 11th International Conference on “Discrete Geometry for Computer Imagery”, Napoli, 19-21 November 2003.

Session Chair

- 26th IEEE International Symposium on Robot and Human Interactive Communication, RO-MAN 2017 - session title: “Detecting and Understanding Human Activity (II)”;
- 8th International Conference on Social Robotics, ICSR 2016 - session title: “Trust and Deception in Robotics”;
- 8th International Conference on Agents and Artificial Intelligence, ICAART 2016 - session title: “Knowledge Representation and Reasoning”;
- 24th IEEE International Symposium on Robot and Human Interactive Communication, RO-MAN 2015 - session title: “Recognition”;
- 24th IEEE International Symposium on Robot and Human Interactive Communication, RO-MAN 2015 - session title: “Human Cognition”;
- 13th International Conference on the Simulation of Adaptive Behavior, SAB 2014 - session title: “Evolution”.

Program Committee Member

- 2018 PC of the 32nd AAAI Conference on Artificial Intelligence;
- 2018 PC of the 33rd ACM Symposium On Applied Computing - SAC;
- 2018 PC of the 10th International Conference on Agents and Artificial Intelligence - ICAART;
- From 2015 - current, Steering Committee of the Workshop WOA “From Objects to Agents”.
- 2017 PC of the 26th International Joint Conference on Artificial Intelligence - IJCAI;
- 2017 PC of the 7th International Conference on Current and Future Trends of Information and Communication Technologies in Health-care ICTH;
- 2017 PC of the ACM International Conference on Computing Frontiers;
- P2017 PC of the 16th International Conference of the Italian Association for Artificial Intelligence - AI*IA;
- 2016 PC of the Workshop on Visions on Internet of Cultural Things and Applications;
- 2015–2017 PC of the WOA Workshop “From Object to Agents”;
- 2016–2017 PC of the KES International Conference on Agents and Multi-Agent Systems;
- 2014 PC of the Workshop on “Autonomous Robots and Multi-robot Systems (ARMS)” at AA-MAS14;
- 2011–2015 PC of the International Conference on Fuzzy Systems and Knowledge Discovery - International Conference on Natural Computation.

Reviewer for international journals: Annals of Mathematics and Artificial Intelligence; IEEE Transactions on Systems, Man, and Cybernetics; Artificial Intelligence Journal; Intelligenza Artificiale; Autonomous Agents and Multi-Agent Systems; Behavioral Robotics; Neurocomputing.

Projects Management and Participation

Principal Investigator of the PRIN2015 project “Profiling and Adaptation for User-centered Assistive Robotics”, founded by the Italian Ministry of Education University and Research.

2013–current Member of the research unit of Università degli Studi di Napoli Federico II for the EU founded project **RoDyMan**. “RObotic DYnamic MANipulation” (ERC Advanced Grant no. 320992 - <http://www.rodyman.eu>).

2012–2015 Member of the research unit of Università degli Studi di Napoli Federico II for the National Research Project P.O.N. **ORCHESTRA**. “ORganization of Cultural HERitage for Smart Tourism and Real-time Accessibility” (<http://www.orchestrasmartnapoli.it>).

2011–2015 Member of the research unit of Università degli Studi di Napoli Federico II for the EU founded project **SAPHARI**. “Safe and autonomous physical human-aware robot interaction” (FP7-ICT-287513 - www.saphari.eu).

2010–2011 Member of the research unit of Università degli Studi di Napoli Federico II for the EU founded project “DEXterous and autonomous dual-arm/hand robotic manipulation with sMART sensory-motor skills: A bridge from natural to artificial cognition” **DEXMART** (FP7-216239, www.dexmart.eu).

2009–2010 Member of the research unit of Università degli Studi di Napoli Federico II for the National Research Project POR “Autonomic Maintenance System”.

2003–2005 Member of the research unit of ITC-irst for the national project **PEACH** (Personal Experience with Active Cultural Heritage, <http://peach.fbk.eu/>).

Teaching

Supervision of Students

- 2 PhD students supervised
- 16 Master students supervised
- 5 Bachelor students supervised

Courses

- 2007–2010 and 2016–2017: Teacher of the course of “Programmazione I”, Corso di Laurea in Informatica, Università di Napoli Federico II (6 CFU, 48 hours).
- 2014–2015: Teacher of the course of “Advances in Practical Multi-agent Systems” for the PhD Course on “Scenze Matematiche e Informatiche” and on “Information Technology and Electrical Engineering” Università di Napoli Federico II (3 CFU, 20 hours).
- 2014–2017: Teacher of the course of “Multi-agent Systems”, Corso di Laurea Magistrale in Informatica, Università di Napoli Federico II (6 CFU, 48 hours).
- 2012–2017: Teacher of the course of “Software Architectures for Robotics”, Corso di Laurea Magistrale in Informatica, Università di Napoli Federico II (6 CFU, 48 hours).
- 2009–2011 and 2012–2014: Teacher of the course of “Intelligent Distributed Systems”, Corso di Laurea Magistrale in Informatica, Università di Napoli Federico II (9 CFU, 72 hours).
- 2010–2011: Teacher of the course of “Distributed Systems” for the Master course on Robotics and Intelligent Systems, Università di Napoli Federico II (5 CFU, 40 hours).
- 2007–2008: Teacher of the course of “Programmazione modulo A” Corso di Laurea in Informatica, Università di Napoli Federico II.

- 2006–2007: Teacher of the course of “Abilita’ Informatiche”, Corso di Laurea in Tecniche Psicologiche per la Persona e la Comunità, Seconda Università di Napoli.
- 2005–2007: Exercise lab of the course on “Programming Languages I”, Corso di Laurea in Informatica, Università di Napoli Federico II.
- 2005–2006: Teacher of the course of “Logic”, Corso di Laurea in Scienze della Comunicazione, Facoltà di Lettere e Filosofia, Università di Salerno.
- 2003–2004: Exercise lab of the course on “Informatica Umanistica”, Facoltà di Lettere, Università di Trento, Italy.
- 2001–2002: Academic year 2001/2002: Teacher of the course “Elements of Computer Science, Communication Technologies and Computer Graphics” for the Master “Teseo” at Università di Napoli Federico II.

Other Activities

- 2004-2005** Visiting Researcher at Oregon Health and Science University (OHSU), Oregon USA. Human-Computer Communication Group.
- 2007** Research Consultant at Università di Napoli Federico II on the project “Neatec” for the study of robotic systems for active surveillance.
- 2007 – 2008** Research Consultant at Università di Naples Federico II on the project “S.Co.P.E.” on Grid Computing.
- 2003 – 2005** Research Consultant of the Division on Cognitive and Communication Technologies at ITC-irst (Center for Information and Communication Technology), Trento (Italy).
- 2001 – 2002** Research Consultant at Università di Napoli on the project “Campus One” for the introduction of technologies within the Campus, experimentation and management of e-learning systems.
- 2001 – 2002** Graduate Research Assistant at Institute of Cybernetics “E. Caianiello” – CNR (National Research Council), Naples (Italy).
- 2000 – 2001** Undergraduate Research Assistant at Institute of Cybernetics “E. Caianiello” – CNR (National Research Council), Naples (Italy).

Publications

Journals

1. C. Di Napoli, P.M. Santamaria, and S. Rossi, “A web-based multi-agent decision support system for a city-oriented management of cruise arrivals”, *Intelligent Systems in Accounting, Finance and Management*, issn:1099-1174, doi:10.1002/isaf.1406.
2. S. Rossi and D. Lee, “Special Issue on User Profiling and Behavior Adaptation for Human-Robot Interaction”, *Pattern Recognition Letters*, 2017, issn:0167-8655, doi:10.1016/j.patrec.2017.06.020.
3. S. Rossi, F. Ferland, and A. Tapus, “User Profiling and Behavioral Adaptation for HRI: A Survey”, *Pattern Recognition Letters*, 2017, issn:0167-8655, doi:10.1016/j.patrec.2017.06.002.
4. S. Rossi, F. Barile, C. Galdi, and L. Russo, “Recommendation in museums: paths, sequences, and group satisfaction maximization”, *Multimedia Tools and Applications*, 2017, pp. 1-25, issn:1573-7721, doi:10.1007/s11042-017-4869-5.

5. S. Rossi, F. Barile, S. Di Martino, and D. Improta, "A comparison of two preference elicitation approaches for museum recommendations", *Concurrency and Computation: Practice and Experience* 29(11), issn:1532-0634, doi:10.1002/cpe.4100, 2017.
6. A. Rossi, M. Staffa, S. Rossi, "Supervisory Control of Multiple Robots through Group Communication", *IEEE TRANSACTIONS ON COGNITIVE AND DEVELOPMENTAL SYSTEMS*, ISSN: 2379-8920, doi: 10.1109/TCDS.2016.2606562 (to appear).
7. M. De Gregorio, M. Giordano, S. Rossi, and M. Staffa, "Experimenting WNN support in object tracking systems", *Neurocomputing* 183, pp. 79-89. ISSN: 0925-2312, doi:10.1016/j.neucom.2015.09.117, 2016.
8. C. Di Napoli and S. Rossi, "Agents and multi-agent systems: From objects to agents - Guest Editorial", *Intelligenza Artificiale* 9(2), 129-130, ISSN: 1724-8035, doi:10.3233/IA-150083, 2015.
9. F. Barile and A. Rossi and M. Staffa and C. Di Napoli and S. Rossi, "QoS-aware task distribution to a team of robots: an healthcare case study", *Intelligenza Artificiale* 9(2), 179-192, ISSN: 1724-8035, doi:10.3233/IA-150087, 2015. [pdf].
10. S. Rossi, F. Barile and A. Caso, "Dominance Weighted Social Choice Functions for Group Recommendations", *Advances in Distributed Computing and Artificial Intelligence Journal* 4(1), 65-79, ISSN: 2255-2863, doi:10.14201/ADCAIJ2015416579, 2015.
11. M. Staffa, D. Perfetto, and S. Rossi, "Engineering Central Pattern Generated Behaviors for the Deployment of Robotic Systems", *Neurocomputing* 170, 2015, pp. 98-112, doi:10.1016/j.neucom.2015.03.094, issn: 0925-2312.
12. C. Di Napoli, D. Di Nocera, and S. Rossi, "Analyzing Negotiation Trends in a QoS-aware Market of Services", *SCS M&S Magazine*. Vol. IV. Issue 3, ISSN 2168-703X, December 2014.
13. X. Broquere, A. Finzi, J. Mainprice, S. Rossi, D. Sidobre and M. Staffa, "An Attentional Approach to Human-Robot Interactive Manipulation", *International Journal of Social Robotics* 6(4), Springer Netherlands pp. 533-553, 2014, doi: 10.1007/s12369-014-0236-0.
14. D. Di Nocera, A. Finzi, S. Rossi and M. Staffa, "The Role of Intrinsic Motivations in Attention Allocation and Shifting", *Front. Psychol.* 5(273), 2014, doi: 10.3389/fpsyg.2014.00273.
15. E. Burattini, M. De Gregorio and S. Rossi, "An adaptive oscillatory neural architecture for controlling behavior based robotic systems", *Neurocomputing* 73(16-18), pp.2829-2836 (2010) issn: 0925-2312.
16. E. Burattini and S. Rossi "Periodic activations of behaviours and emotional adaptation in behaviour-based robotics", *Connection Science* 22(3), pp. 197-213 (2010) issn: 0954-0091.
17. E. Burattini and S. Rossi, "Periodic Adaptive Activation of Behaviors in Robotic Systems", *International Journal of Pattern Recognition and Artificial Intelligence (IJPRAI)*, vol.22(5), pp. 987-999, 2008.

Proceedings

1. Proceedings of the 16th Workshop "From Objects to Agents" - WOA15, C. Di Napoli, S. Rossi and M. Staffa (eds), *CEUR Workshop Proceedings* (1382), issn = 1613-0073, 2015.
2. Trends in Practical Applications of Scalable Multi-Agent Systems, the PAAMS Collection - F. de la Prieta, M.J. Escalona Rafael Corchuelo, P. Mathieu, Z. Vale, A.T. Campbell, S. Rossi, E. Adam, M.D. Jime?nez-Lo?pez, E.M. Navarro, M.N. Moreno Editors, *Advances in Intelligent Systems and Computing* (732), Springer, ISSN:2194-5357, ISBN:978-3-319-40158-4, DOI:10.1007/978-3-319-40159-1, 2016.

Book Chapters and Volumes

1. S. Rossi, C. Di Napoli, F. Barile, L. Liguori, “A Multi-agent System for Group Decision Support Based on Conflict Resolution Styles”, in Conflict Resolution in Decision Making: Second International Workshop, COREDEMA 2016, Revised Selected Papers, 2017, Springer International Publishing, pp. 134-148, isbn=978-3-319-57285-7, doi:10.1007/978-3-319-57285-7_9, http://dx.doi.org/10.1007/978-3-319-57285-7_9
2. C. Di Napoli, D. Di Nocera and S. Rossi, “Using Reference Points for Competitive Negotiations in Service Composition”, In Modern Approaches to Agent-based Complex Automated Negotiation, 2017, Springer International Publishing, pp.17-33, ISBN:978-3-319-51563-2, doi=10.1007/978-3-319-51563-2_2, url=http://dx.doi.org/10.1007/978-3-319-51563-2_2
3. F. Barile, L. Bove, C. Di Napoli, and S. Rossi, “City Parking Allocations as a Bundle of Society-Aware Deals”. In Agent-Based Modeling of Sustainable Behaviors, Springer International Publishing, ISBN:978-3-319-46331-5, doi=10.1007/978-3-319-46331-5_8, pp.167–186, 2017.
4. S. Rossi and F. Barile and C. Galdi and L. Russo, “Artworks Sequences Recommendations for Groups in Museums”, in Proceedings of the 12th International Conference on Signal-Image Technology Internet-Based Systems (SITIS), 2016, pp.455-462, doi=10.1109/SITIS.2016.77.
5. S. Rossi, F. Barile, A. Caso, and A. Rossi, “Pre-trip Ratings and Social Networks User Behaviors for Recommendations in Touristic Web Portals”. In Web Information Systems and Technologies: 11th International Conference, WEBIST 2015 Revised Selected Papers, Lecture Notes in Business Information Processing series 426, ISBN:978-3-319-30996-5, doi=10.1007/978-3-319-30996-5_15, Springer International Publishing, pp.297–317, 2016.
6. S. Rossi, D. Di Nocera and C. Di Napoli, “Gaussian-Based Bidding Strategies for Service Composition Simulations”. In Recent Advances in Agent-based Complex Automated Negotiation, Studies in Computational Intelligence series 638, ISBN:978-3-319-30307-9, doi=10.1007/978-3-319-30307-9_12, Springer International Publishing, pp.193–208, 2016.
7. C. Di Napoli, D. Di Nocera, P. Pisa and S. Rossi, “A market-based coordinated negotiation for QoS-aware service selection”, In Agent-Mediated Electronic Commerce. Designing Trading Strategies and Mechanisms for Electronic Markets, Lecture Notes in Business Information Processing series 187, ISBN:978-3-319-13217-4, doi=10.1007/978-3-319-13218-1_3, Springer International Publishing, pp. 26–40, 2014.
8. D. Sidobre, X. Broquere, J. Mainprice, E. Burattini, A. Finzi, S. Rossi and M. Staffa, “Human–Robot Interaction”, In Advanced Bimanual Manipulation, Springer Tracts in Advanced Robotics volume 80, B. Siciliano ed., Springer Berlin, pp.123-172, 2012. ISBN:978-3-642-29040-4.
9. E. Burattini, A. Finzi, S. Rossi and M. Staffa, “Attentive Monitoring and Adaptive Control in Cognitive Robotics”, G. Lakemeyer, H. J. Levesque and F. Pirri (eds.) Cognitive Robotics, Dagstuhl Seminar Proceedings n.10081, Schloss Dagstuhl - Leibniz-Zentrum fuer Informatik, Germany 2010, ISSN:1862-4405.
10. E. Burattini, V. Scognamiglio and S. Rossi, “Navigazione assistita su sistemi informativi multimediali”, R. Valenti (ed.) Reti della Cultura, In margine al Convegno Internazionale sui Servizi e contenuti digitali. Gli elementi base della Società della Conoscenza, Naus Editoria, Pozzuoli 2010 pp. 53–65. ISBN:978-88-7478-015-0.
11. P. Busetta, P. Bresciani, L. Penserini, S. Rossi and T. Kuffik, “Delivering services in active museums via group communication”, O. Stock, M. Zancanaro (eds.) PEACH: Intelligent Interfaces for Museum Visits. Cognitive Technologies Series, Springer-Verlag Berlin, printed in Germany 2007. ISBN:978-3-540-68754-2.
12. P. Busetta, M. Merzi, S. Rossi, and F. Legras, “Intra-role Coordination Using Group Communication: A Preliminary Report”, Advanced in Agent Communication, LNAI 2922, pages 231-253, Springer-Verlag Berlin, printed in Germany, 2004. ISBN:3-540-20769-4.

International Conferences

1. F. Barile, J. Masthoff, and S. Rossi. 2017. The Adaptation of an Individual's Satisfaction to Group Context: the Role of Ties Strength and Conflicts. In Proceedings of the 25th Conference on User Modeling, Adaptation and Personalization (UMAP '17). ACM, New York, NY, USA, 357-358. DOI: <https://doi.org/10.1145/3079628.3079643>
2. S. Rossi, G. Ercolano, and M. Staffa, "Towards an Adaptive User Monitoring Based on Personality and Activity Recognition", HRI '17 Proceedings of the Companion of the ACM/IEEE International Conference on Human-Robot Interaction, Vienna, Austria, March 06 - 09, pp. 269-270, ACM, doi:10.1145/3029798.3038296, 2017.
3. C. Di Napoli, L. Sabatucci, M. Cossentino and S. Rossi, "Generating and Instantiating Abstract Workflows with QoS User Requirements", in Proceedings of the 9th International Conference on Agents and Artificial Intelligence (ICAART) - Volume 1, pp.276-283, SCITEPRESS 2017, ISBN:978-989-758-219-6, 2017.
4. S. Rossi, F. Cervone and F. Barile, "An Off-line Evaluation of Users' Ranking Metrics in Group Recommendation", in Proceedings of the 9th International Conference on Agents and Artificial Intelligence (ICAART) - Volume 1, pp.252-259, SCITEPRESS 2017, ISBN:978-989-758-219-6, 2017.
5. S. Rossi, E. Leone, M. Staffa, "Using Random Forests for the Estimation of Multiple Users' Visual Focus of Attention from Head Pose", in Proceedings of AI*IA 2016 Advances in Artificial Intelligence: XVth International Conference of the Italian Association for Artificial Intelligence, Genova, Italy, November 29 - December 1, Springer International Publishing, pp. 89-102, isbn:978-3-319-49130-1, doi:10.1007/978-3-319-49130-1_8, 2016.
6. M. Staffa, and S. Rossi, "Recommender Interfaces: The More Human-Like, the More Humans Like", in Proceedings of the 8th International Conference on Social Robotics (ICSR), Kansas City, MO, USA, November 1-3, Springer International Publishing, pp. 200-210, isbn:978-3-319-47437-3, doi:10.1007/978-3-319-47437-3_20, 2016.
7. S. Rossi, C. Di Napoli, F. Barile, A. Rossi and M. Staffa, "Negotiating and Executing Composite Tasks for QoS-Aware Teams of Robots", Trends in Practical Applications of Scalable Multi-Agent Systems, the PAAMS Collection, Springer International Publishing, pp. 201-210, isbn:978-3-319-40159-1, doi:10.1007/978-3-319-40159-1_17, 2016.
8. C. Di Napoli, P. M. Santamaria and S. Rossi, "An Agent-Based DSS Supporting the Logistics of Cruise Passengers Arrivals", In Advances in Practical Applications of Scalable Multi-agent Systems. The PAAMS Collection: 14th International Conference, PAAMS 2016, Sevilla, Spain, Springer International Publishing, pp. 60-71, isbn:978-3-319-39324-7, doi:10.1007/978-3-319-39324-7_6, 2016.
9. S. Rossi, and F. Cervone, "Social Utilities and Personality Traits for Group Recommendation: A Pilot User Study", in Proceedings of the 8th International Conference on Agents and Artificial Intelligence (ICAART) - Volume 1, pp.38-46, SCITEPRESS 2016, ISBN:978-989-758-172-4, 2016.
10. A. Rossi, M. Staffa, A. Origlia and S. Rossi, "An Analysis of Perceptual Cues in Robot Group Selection Tasks", in Proceedings of the 24th IEEE International Symposium on Robot and Human Interactive Communication, 2015 RO-MAN. IEEE, pp. 588-593.
11. S. Rossi, M. Staffa, M. Giordano, M. De Gregorio, A. Rossi, A. Tamburro and C. Vellucci, "Robot Head Movements and Human Effort in the Evaluation of Tracking Performance", in Proceedings of the 24th IEEE International Symposium on Robot and Human Interactive Communication, 2015 RO-MAN. IEEE, pp. 791-796.
12. S. Rossi, F. Barile, A. Caso, "User and Group Profiling in Touristic Web Portals Through Social Networks Analysis", In Proceedings of WEBIST 2015 - 11th International Conference on Web Information Systems and Technologies, pp. 455-465, SCITEPRESS, ISBN:978-989-758-106-9, doi=10.5220/0005448704550465, 2015.

13. M. Staffa, S. Rossi, M. Giordano, M. De Gregorio, B. Siciliano, "Segmentation Performance in Tracking Deformable Objects via WNNs", in Proceedings of the IEEE International Conference on Robotics and Automation (ICRA), 2015. Seattle, Washington, USA, May 26-30, pp. 2462-2467, doi:10.1109/ICRA.2015.7139528.
14. S. Rossi, A. Caso, and F. Barile, "Combining Users and Items Rankings for Group Decision Support", in Trends in Practical Applications of Agents, Multi-Agent Systems and Sustainability, Advances in Intelligent Systems and Computing (372), 2015, isbn:978-3-319-19628-2, doi:10.1007/978-3-319-19629-9_17, Springer International Publishing, pp.151-158.
15. F. Barile, C. Di Napoli, D. Di Nocera, and S. Rossi, "Evaluating the Social Benefit of a Negotiation-Based Parking Allocation", in Advances in Practical Applications of Agents, Multi-Agent Systems, and Sustainability: The PAAMS Collection, LNCS (9086) 2015, isbn=978-3-319-18943-7, doi=10.1007/978-3-319-18944-4_2, Springer International Publishing, pp.15-26.
16. S. Rossi, M. Staffa, M. Giordano, M. De Gregorio, A. Rossi, A. Tamburro, and C. Vellucci, "User Tracking in HRI Applications with the Human-in-the-loop", in Proceedings of the Tenth Annual ACM/IEEE International Conference on Human-Robot Interaction Extended Abstracts (HRI'15 Extended Abstracts), 2015. ACM, New York, NY, USA, 33-34. DOI=10.1145/2701973.2701980.
17. C. Di Napoli, D. Di Nocera, and S. Rossi, "Computing Pareto Optimal Agreements in Multi-issue Negotiation for Service Composition", in Proceedings of the 14th International Conference on Autonomous Agents and Multiagent Systems, AAMAS 2015, pp. 1779–1780. ISBN 978-1-4503-3413-6.
18. F. Barile, D.M. Calandra, A. Caso, D. D'Auria, D. Di Mauro, F. Cutugno, and S. Rossi, "ICT Solutions for the OR.C.HE.S.T.R.A. Project: From Personalized Selection to Enhanced Fruition of Cultural Heritage Data", in Proceedings of Tenth International Conference on Signal-Image Technology and Internet-Based Systems (SITIS), IEEE pp.501–507, 23-27 Nov. 2014. doi: 10.1109/SITIS.2014.12.
19. A. Caso and S. Rossi, "Users Ranking in Online Social Networks to Support POIs Selection in Small Groups" (poster), in Extended Proceedings of the 22nd Conference on User Modelling, Adaptation and Personalization - UMAP 2014, July 7 - 11, 2014. Aalborg, Denmark, CEUR workshop proceedings, vol 1181 ISSN:1613-0073, pp. 5-8.
20. S. Rossi, and M. Staffa, "Human Inspiration and Comparison for Monitoring Strategies in a Robotic Convoy Task", In From Animals to Animats 13, Proceedings of 13th International Conference on Adaptive Behaviour (SAB 2014), Lecture Notes in Computer Science 8575, Springer International Publishing 2014, pp. 310-319. ISBN: 978-3-319-08863-1, doi: 10.1007/978-3-319-08864-8_30.
21. C. Di Napoli, D. Di Nocera and S. Rossi, "Agent negotiation for different needs in smart parking allocation", in Advances in Practical Applications of Heterogeneous Multi-Agent Systems. The PAAMS Collection, Lecture Notes in Computer Science, Springer International Publishing 2014, pp.98-109. ISBN:978-3-319-07550-1, doi:10.1007/978-3-319-07551-8_9.
22. C. Di Napoli, D. Di Nocera and S. Rossi, "Using Negotiation for Parking Selection in Smart Cities", in Advances in Practical Applications of Heterogeneous Multi-Agent Systems. The PAAMS Collection, Lecture Notes in Computer Science, Springer International Publishing 2014, pp.331-334. ISBN:978-3-319-07550-1, doi:10.1007/978-3-319-07551-8_31.
23. S. Rossi, D. Di Nocera and C. Di Napoli, "Normal Distributions and Multi-issue Negotiation for Service Composition", in Trends in Practical Applications of Heterogeneous Multi-Agent Systems, The PAAMS Collection. Advances in Intelligent Systems and Computing 293, Springer International Publishing 2014, pp.1-8. ISBN: 978-3-319-07475-7, doi: 10.1007/978-3-319-07476-4_1.
24. S. Iengo, S. Rossi, M. Staffa and A. Finzi, "Continuous Gesture Recognition for Flexible Human-Robot Interaction", in Proceedings of IEEE International Conference on Robotics and Automation - ICRA 2014, May 31- June 7, 2014. Hong Kong, China, pp. 4863–4868, DOI=10.1109/ICRA.2014.6907571.

25. M. Staffa, M. De Gregorio, M. Giordano and S. Rossi, “Can you follow that guy?”, In Proceedings of the 22th European Symposium on Artificial Neural Networks, Computational Intelligence and Machine Learning (ESAAN), 23-25 April 2014, Bruges, Belgium, pp.511–516, ISBN:978-287419095-7.
26. R. Caccavale, A. Finzi, L. Lucignano, S. Rossi, and M. Staffa, Rossi, “Attentional top-down regulation and dialogue management in human-robot interaction”, in Proceedings of the 2014 ACM/IEEE international conference on Human-robot interaction (HRI '14). ACM, New York, NY, USA, pp. 130-131, DOI=10.1145/2559636.2559854.
27. R. Caccavale, E. Leone, L. Lucignano, S. Rossi, M. Staffa, A. Finzi, “Attentional regulations in a situated human-robot dialogue”, in Proceedings of the 23rd IEEE International Symposium on Robot and Human Interactive Communication, 2014 RO-MAN. IEEE, pp. 844-849, DOI=10.1109/ROMAN.2014.6926358.
28. V. Magnanimo, M. Saveriano, S. Rossi, and D. Lee, “A Bayesian approach for task recognition and future human activity prediction”, in Proceedings of the 23rd IEEE International Symposium on Robot and Human Interactive Communication, 2014 RO-MAN. IEEE, pp. 726-731, DOI=10.1109/ROMAN.2014.6926339.
29. D. di Nocera, A. Finzi, S. Rossi and M. Staffa, “Attentional Shifting and Curiosity: a Reinforcement Learning Approach”. 1st BRICS Countries Congress (BRICS-CCI) and 11th Brazilian Congress (CBIC) on Computational Intelligence, September 8-11 2013, Recife, Brazil (Best Professional Paper Award).
30. C. Di Napoli, P. Pisa and S. Rossi, “Towards a dynamic negotiation mechanism for QoS-aware service markets”, in Trends in Practical Applications of Agents and Multiagent Systems, Advances in Intelligent Systems and Computing (221), Springer International Publishing, pp. 9–16 2013 isbn:978-3-319-00562-1.
31. S. Rossi, E. Leone, M. Fiore, A. Finzi, and F. Cutugno, “An Extensible Architecture for Robust Multimodal Human-Robot Communication”, in Proceedings of IEEE/RSJ International Conference on Intelligent Robots and Systems - IROS 2013, November 3-7, 2013. Tokyo, Japan, pp. 2208-2213. ISBN: 978-1-4673-6357-0/13.
32. F. Cutugno, A. Finzi, M. Fiore, E. Leone, and S. Rossi, “Interacting with robots via speech and gestures, an integrated architecture”, in Proceedings of INTERSPEECH 2013 - 14th Annual Conference of the International Speech Communication Association pp. 3727-3731. ISSN 2308-457X.
33. L. Lucignano, F. Cutugno, S. Rossi, and A. Finzi, “A Dialogue System for Multimodal Human-Robot Interaction”, in Proceedings of 15th International Conference on Multimodal Interaction - ICMI 2013, ACM pp.197-204 isbn:978-1-4503-2129-7.
34. D.M. Calandra, A. Caso, F. Cutugno, A. Origlia, and S. Rossi, “CoWME: a General Framework to Evaluate Cognitive Workload During Multimodal Interaction”, in Proceedings of 15th International Conference on Multimodal Interaction - ICMI 2013, ACM pp.111-118 isbn:978-1-4503-2129-7.
35. H. Balta, S. Iengo, A. Finzi, S. Rossi, B. Siciliano, and G. De Cubber, “Adaptive behavior-based control for robot navigation: A multi-robot case study”, Proceedings of the XXIV International Symposium on Information, Communication and Automation Technologies (ICAT), October 2013, Sarajevo, pp. 1-7, doi=10.1109/ICAT.2013.6684083.
36. D. Di Nocera, A. Finzi, S. Rossi and M. Staffa “Attentional Action Selection using Reinforcement Learning”, In From Animals to Animats 12, Proceedings of 12th International Conference on Adaptive Behaviour (SAB 2012), Odense, August 2012, T. Ziemke, C. Balkenius and J. Hallam eds. LNCS 7426, pp. 371-380. SBN:978-3-642-33092-6
37. E. Burattini, A. Finzi, S. Rossi and M. Staffa “Attentional human-robot interaction in simple manipulation tasks”, In Proceedings of 7th ACM/IEEE International Conference on Human Robot Interaction (HRI 2012), Boston, March 2012, pp.129-130. ISBN: 978-1-4503-1063-5.

38. E. Burattini, A. Finzi, S. Rossi and M. Staffa “Cognitive Control in Cognitive Robotics: Attentional Executive Control”, In Proceedings of the 15th International Conference on Advanced Robotics (ICAR), IEEE, 20-23 June 2011, Tallin (Estonia), ISBN: 978-1-4577-1158-9.
39. M. Staffa, S. Rossi, M. De Gregorio and E. Burattini “Thresholds tuning of a neuro-symbolic net controlling a behavior-based robotic system”, In Proceedings of the 19th European Symposium on Artificial Neural Networks, Computational Intelligence and Machine Learning (ESANN), 27-29 April 2011, Bruges (Belgium), pp. 159-164, ISBN: 978-2-87419-044-5.
40. E. Burattini, S. Rossi, A. Finzi and M. Staffa “Attentional Modulation of Mutually Dependent Behaviors”, In Proceedings of the 11th International Conference on Simulation of Adaptive Behavior (SAB’10), LNAI 6226, pp. 283-292, 2010 ISBN: 978-3-642-15192-7.
41. E. Burattini, A. Finzi, S. Rossi and M. Staffa, “Attentive Monitoring Strategies in a Behavior-Based Robotic System: An Evolutionary Approach”, In Proceeding of the 3rd International Symposium on Learning and Adaptive Behavior in Robotic Systems - International Conference on Emerging Security Technologies, IEEE 2010, pp.153-158, ISBN: 978-1-4244-7845-3.
42. E. Burattini, A. Finzi, S. Rossi and M. Staffa, “Monitoring Strategies for Adaptive Periodic Control in Behavior-based Robotic Systems”, Proceedings of the 2nd ECSIS Symposium on Learning and Adaptive Behavior in Robotic Systems, IEEE Computer Society 2009, pp. 130-135 (runner-up paper award), ISBN: 978-0-7695-3753-5.
43. E. Burattini, S. Rossi and M. De Gregorio, “A neural network generating adaptive rhythms for controlling Behavior Based Robotic Systems”, in Proceeding of the 10th Brazilian Symposium on Artificial Neural Networks (SBRN), IEEE Computer Society 2008 pp. 15–20, ISBN 978-0-7695-3361-2.
44. E. Burattini and S. Rossi, “From Adaptive Perception to Adaptive Emergent Behavior using Rhythmic Releasers”, last minute result at the international conference on Simulation of Adaptive Behavior (SAB08).
45. S. Rossi, A. Inserra and E. Burattini, “Browsing a Website with Topographic Hints”, in Proceedings della conferenza Advanced Visual Interfaces (AVI08), in cooperation with ACM-SIGCHI, ACM-SIGMM, SIGCHI Italy, ACM Press, pp.347–350, ISBN: 1-978-60558-141-5.
46. E. Burattini and S. Rossi, “A Robotic Architecture with Innate Releasing Mechanism”, Proceedings of Second International Symposium on Brain, Vision and Artificial intelligence (BVAI 2007). Springer-Verlag Berlin, printed in Germany, LNCS v.4729, 2007, pp. 576-585, ISBN:978-3-540-75554-8.
47. S. Rossi, V. Scognamiglio and E. Burattini, “Web Contents and Structural Adaptivity by Knowledge Tree: The Herculaneum Excavation Hypermedia”, Proceedings of the third international conference on Web Information Systems and Technologies WEBIST07, pp. 270–275 ISBN:978-972-8865-78-8, INSTICC press, printed in Portugal, 2007.
48. S. Rossi, S. Kumar and P.R. Cohen, “Distributive and Collective Readings in Group Protocols”, in Proceedings of the Nineteenth International Joint Conference on Artificial Intelligence, IJCAI05. Edinburgh, Scotland, 30 July - 5 August 2005, pp. 971–976. Printed in the United States. ISBN:0-938075-94-2.
49. S. Rossi, and P. Busetta, “Towards Monitoring of Group Interactions and Social Roles via Overhearing”, Proceedings of the Eight international workshop on “Cooperative Information Agents”, in cooperation with ACM SIGART and ACM SIGWeb, Springer-Verlag Berlin, printed in Germany, LNCS 3191 pp. 47 - 61, Settembre 27–29, 2004 Erfurt, Germany. ISBN: 3-540-23170-6.
50. P. Busetta, T. Kuflik, M. Merzi, and S. Rossi, “Service Delivery in Smart Environments by Implicit Organizations”, Proceedings della First Annual International Conference on Mobile and Ubiquitous Systems: Networking and Services (MobiQuitous 2004), in cooperation with AAAI, IEEE Computer Society, ACM, SIGMOBILE and European Union’s IST program, August 22-25, 2004 -

Boston, Massachusetts, USA. IEEE Computer Society, printed in the United States, ISBN: 0-7695-2208-4.

51. P. Busetta, M. Merzi, S. Rossi, and M. Zancanaro, “Group Communication for Real-time Coordination and Ambient Intelligence”, in Kruger, Antonio and Malaka, Rainer (eds.), Proceedings of the Workshop on Artificial Intelligence in Mobile Systems 2003 [AIMS2003] in conjunction with UbiComp, Seattle (WA), USA, Universitaet des Saarlandes-Saarbrucken 2003, ISSN: 0944-7822 pp. 9-16.

Workshops

1. F. Barile, J. Masthoff, S. Rossi, “A Detailed Analysis of the Impact of Tie Strength and Conflicts on Social Influence”, In Adjunct Publication of the 25th Conference on User Modeling, Adaptation and Personalization, UMAP '17, 2017, isbn:978-1-4503-5067-9, Bratislava, Slovakia, pp.227-230, doi:10.1145/3099023.3099056, ACM.
2. S. Di Martino, S. Rossi, “An Architecture for a Mobility Recommender System in Smart Cities”, *Procedia in Computer Science*, Volume 98, 2016, Pages 425-430, ISSN 1877-0509, <http://dx.doi.org/10.1016/j.procs.2016.09.066>.
3. S. Rossi, F. Barile, D. Improta, L. Russo, “Towards a Collaborative Filtering Framework for Recommendation in Museums: From Preference Elicitation to Group’s Visits”, *Procedia in Computer Science*, Volume 98, 2016, Pages 431-436, ISSN 1877-0509, <http://dx.doi.org/10.1016/j.procs.2016.09.067>.
4. S. Rossi, C. Di Napoli, F. Barile, and L. Liguori, “Conflict Resolution Profiles and Agent Negotiation for Group Recommendations”, in Proceedings of the 17th Workshop “From Objects to Agents” (WOA 2016), co-located with 18th European Agent Systems Summer School (EASSS 2016), Catania, Italy, June 29-30, CEUR Workshop Proceedings (1664), pp. 29–34, 2016.
5. F. Barile, F. Cervone and S. Rossi, “Evaluating User’s Personality and Social Interactions for Groups Recommendations”, in Proceedings of the 2nd International Workshop on Decision Making and Recommender Systems, Bolzano, Italy, October 22-23, CEUR Workshop Proceedings (1533), pp. 17-20, 2015.
6. F. Barile, A. Rossi, M. Staffa, C. Di Napoli and S. Rossi, “A Market Mechanism for QoS-aware Multi-Robot Task Allocation”, in Proceedings of the 16th Workshop “From Objects to Agents” WOA15, CEUR Workshop Proceedings (1382), pp. 129–134, 2015.
7. F. Cervone, V. Sica, M. Staffa, A. Tamburro and S. Rossi, “Comparing a Social Robot and a Mobile Application for Movie Recommendation: A Pilot Study”, in Proceedings of the 16th Workshop “From Objects to Agents” WOA15, CEUR Workshop Proceedings (1382), pp. 32–38, 2015.
8. C. Di Napoli, D. Di Nocera, and S. Rossi, “An Orthogonal Bidding Strategy for Negotiation in Service Composition”, in Proceedings of the The Eighth International Workshop on Agent-Based Complex Automated Negotiation @AAMAS 2015, pp. 6–10.
9. D. Di Nocera, C. Di Napoli, and S. Rossi, “A Social-Aware Smart Parking Application”, Proceedings of the 15th Workshop “From Objects to Agents”, Catania (Italy), September 2014, CEUR workshop proceedings, vol 1260 ISSN:1613-0073.
10. F. Barile, A. Caso, and S. Rossi, “Group Recommendation for Smart Applications: a Multi-agent View of the Problem”, Proceedings of the 15th Workshop “From Objects to Agents”, Catania (Italy), September 2014, CEUR workshop proceedings, vol 1099 ISSN:1613-0073.
11. M. De Gregorio, M. Giordano, S. Rossi, M. Staffa and B. Siciliano, “Tracking deformable objects with WISARD networks”, in Proceeding of the European Workshop on Deformable Object Manipulation, in conjunction with Innorobo, Lyon, France, March 20, 2014.
12. C. Di Napoli, D. Di Nocera and S. Rossi, “Negotiating Parking Spaces in Smart Cities”, in Proceeding of the 8th International Workshop on Agents in Traffic and Transportation, in conjunction with AAMAS, Paris, France, May 6, 2014.

13. S. Rossi, D. Di Nocera and C. Di Napoli, "An Orchestrated Multi-issue Negotiation with Normal Distributions for Service Selection", in Proceeding of the Seventh International Workshop on Agent-based Complex Automated Negotiations, in conjunction with AAMAS, Paris, France, May 6, 2014.
14. S. Rossi, M. Staffa, A. Adaldo, F. Alderisio, V. Magnanimo, "Attentive Monitoring for Team Coordination: a Human-Robot Convoy Example", in Proceeding of the International Workshop on Autonomous Robots and Multirobot Systems, in conjunction with AAMAS, Paris, France, May 6, 2014.
15. R. Caccavale, A. Finzi, L. Lucignano, S. Rossi, M. Staffa, "Attentional Top-down Regulations in a Situated Human-Robot Dialogue", in Proceedings of the Workshop on Attention Models in Robotics: Visual System for better HRI, in conjunction with HRI2014, 3-6 March, Bielefeld, Germany.
16. C. Di Napoli, D. Di Nocera, and S. Rossi, "Evaluating Negotiation Cost for QoS-aware Service Composition", Proceedings of the 14th Workshop "From Objects to Agents" co-located with the 13th Conference of the Italian Association for Artificial Intelligence (AI*IA 2013), Turin (Italy), December 2013, CEUR workshop proceedings, vol 1099 ISSN:1613-0073, pp. 54-59.
17. C. Di Napoli, P. Pisa and S. Rossi, "A market-based negotiation mechanism for QoS-aware service selection", Proceedings of the 15th International Workshop on Agent-Mediated Electronic Commerce (AMEC 2013) at AAMAS 2013, Sant Paul (MN, USA), May 2013, pp. 3-16.
18. F. Cutugno, A. Finzi, S. Iengo, S. Rossi, and M. Staffa, "Multimodal Interaction and Attentional Regulation in HRI (extended abstract)", presented at 6th International Workshop on Human-Friendly Robotics (2013).
19. E. Burattini, S. Rossi and M. Staffa, "Adaptive Periodic Control Systems in Robotics: a Case Study", in proceedings of the workshop "Verso la Robotica Intenzionale" of the the tenth conference of the Italian Association of Artificial Intelligence AI*IA, 2008.
20. E. Burattini and S. Rossi, "Periodic Activations of Behaviors and Motivational States", proceeding of the workshop on "The role of emotion in adaptive behavior and cognitive robotics", at SAB08, 2008.
21. S. Rossi, and P. Busetta, "With A Little Help From A Friend: Applying Overhearing To Teamwork", Proceeding of the workshop on Modeling Others from Observations (MOO 2005) a IJCAI05. Edinburgh, Scotland, 30 Luglio 2005.
22. P. Busetta, M. Merzi, S. Rossi, and F. Legras, "Realtime Role Coordination For Ambient Intelligence", Proceedings of the Workshop on Representations and Approaches for Time-Critical Decentralized Resource/Role/Task Allocation at AAMAS03, Melbourne, Australia, 15 Luglio 2003.
23. P. Busetta, M. Merzi, S. Rossi, and F. Legras, "Intra-role Coordination Using Group Communication: A Preliminary Report", Proceedings of the Workshop on Agent communication languages and conversation policies at AAMAS03, Melbourne, Australia, 14 Luglio 2003.