

Mario Paolucci

Curriculum Vitae et Studiorum

Date of birth: 17 May 1968

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Scopus id: 7006774117

Google Scholar: http://scholar.google.com/citations?user=AMB_LSAAAAAJ

WoS Researcher ID: C-4894-2009

Webpage: <http://labss.istc.cnr.it/people/mario-paolucci>

Education

PhD in “Telematics and Information Society” on September 28, 2005, at the University of Florence, discussing a dissertation on “Reputation as a Complex Cognitive Artefact: Theory, Simulations, Experiments”.

Degree in Physics on May 31, 1993, at the University of Rome I, defending a dissertation in Mathematical Physics, on "Integrability and Chaos: numerical experiments with perturbative methods on classical Hamiltonian Systems". Final votation: **110/110 with honours**

Professional Experience

From January, 2017, ongoing, he is the coordinator of the CNR unit on “Cognitive Agents and Social Simulation” (DUS.AD018.003).

From January, 2007 is a Researcher for ISTC/CNR, Institute for Cognition Science and Technologies (permanent position), LABSS (Laboratory on Agent-Based Social Simulation).

From 5/7/2013 to 5/10/2013, for three months, is Visiting Researcher to the ETSE, University of Valencia, financed by the Spanish program “Atraciò de Talento”.

From 1/4/2011 to 31/3/2012 collaborates to the FuturICT coordination action as a member of the CNR team (one of the five participating institutions). In his role he has, between other things, participated to the "FuturICT - A progress report"

meeting in Baveno ("<http://www.futurict.eu/event/futurict-progress-report?mini=2011-09>"), presented at the meeting "FuturICT Italia per le Imprese e gli Stakeholders" (<http://www.futurict.eu/event/futurict-italia-le-impres-e-gli-stakeholders?mini=2011-11>), participated to the Living Earth Simulator (LES) Meeting at UCL (<http://www.futurict.eu/event/living-earth-simulator-les-meeting-uct?mini=2012-01>).

In April 2011, he obtains the idoneity to the position of Primo Ricercatore (senior researcher) in Informatics at the CNR (National Research Council, Italy). Letter CNR n. 330309, 19/04/2011,

From 28/9/2009 to 18/10/2009 is visiting researcher at the Ishida and Matsubara Lab, University of Kyoto, Japan, financed by the CNR Short-Term Mobility program.

From January, 2009 to December, 2014 he coordinates the Research Unit ("commessa") ICT.P11.014.001 - Società artificiali e simulazione sociale (Artificial Societies and Social Simulation) in the Institute of Cognitive Sciences and Technologies – Department of Information and Communication Technologies – CNR (http://www.cnr.it/commesse/Scheda_Commissa.html?id_comm=7480)

From March, 2003 is a Technology expert (Tecnologo) for ISTC/CNR, Institute for Cognition Science and Technologies (permanent position), LABSS (Laboratory on Agent-Based Social Simulation).

May 2002 (6-29): member of the Thematic Institute "Networks, dynamics and socio-economics" organized by the Network of Excellence *EXYSTENCE*, Trieste, ICTP.

July 2001 (2-13): participates to the Summer School "Multi-Agent Systems and Applications", 3rd European Agent Systems Summer School (EASSS 2001), Prague, Czech Republic

From 1999 to 2002: Research Fellow for the Institute for Cognition Science and Technologies, CNR

From 1996, February 1 to 2003, February 28 is a Technology expert (Tecnologo) at National Institute for Statistics (ISTAT), Italy.

Financed Projects

Principal Investigator of the FuturICT 2.0 project, financed in the JTC-2016 call of the FLAG-ERA action, with 11 participants from 7 EU countries and a total cost of 3.220.432 euro, of which 2.614.528 financed by the action, started on February, 1st 2017.

Participant, and substitute Management Committee member for Italy, to the Trans-Domain COST Action TD1306 "New Frontiers of Peer Review (PEERE)" starting 12/05/2014.

Participant to the H2020 PROTON project, started in October 2016, where he

supports the cognitive modeling of criminal behavior.

Participant, and collaborator to the coordinator for the Italian hub, to the FuturICT Pilot (May 2011- April 2012). The FP7 – FET Flagship – Coordination Action FuturICT. “The FuturICT Knowledge Accelerator and Crisis-Relief System: Unleashing the Power of Information for a Sustainable Future”, one of the 6 Pilot Actions funded to prepare the launch of the FET Flagships.

Coordinator of subunit ISTC-3 in the PRISMA project beginning on Oct 8th, 2012 (planned to end on May 31, 2015). The unit employs two researchers with a budget of 136KEu.

Participant to the GLODERS FP7 project (ICT-315874) started 01/10/2012, for the duration of three years, where he supports simulation development on normative behavior.

Scientific Coordinator and Principal Investigator of the *eRep – Social Knowledge for e-Governance* project (CIT5-028575), financed under the EC FP6, the Social Sciences and Humanities theme, from February 2007. He manages four scientific units and the project budget (1.7Meuro, of which 1.2Meuro EC contribution). The project has completed on March 31, 2009.

Unit coordinator for the *Socrate* project (RBNE03Y338), financed by the Italian Ministry of Research (RBNE03LKHL), unit budget 39Keuro, from 03/10/2005 to 03/04/2009.

Participant and collaborator to the Coordinator Partner of the *EMIL* project (IST-FP6-33841), 2012-2015, financed under the EC FP6. *EMIL, “EMergence In the Loop: simulating the two way dynamics of norm innovation”* was a three-year EC funded project (Sixth Framework Programme – Information Society Technologies – Future and Emerging Technologies – Complex Systems) involving six Partners.

Teaching Experience

2013-2014, 2014-2015: Lecturer of a module on intelligent agents for the course of “Simulation” held by Prof. L. Donatiello at the master program in Computer Science, University of Bologna, DISI, Italy.

2010-2011, 2011-2012, 2012-2013: Lecturer of “Computational Methods for Economic and Business Analysis” for the University of Bologna, Italy.

2012: lecturer on “*Complex Systems in Sociology*” at the 2nd Ph.D. School on “Mathematical Modeling of Complex Systems”, Pescara, Italy, 16-28 July, 2012 (http://www.nodycosy.unich.it/index.php?phdsch2012_lect_progr)

2006-2007, 2007-2008, 2008-2009, 2009-2010: Lecturer of “Organizational Systems and Processes” for the University of Bologna, Italy, with a course program based on Social Simulation.

2003-2004, 2004-2005: Lecturer of *Information Technology II* for the Faculty of Engineering, University of Perugia, Italy

1999-2000, 2000-2001, 2001-2002: Lecturer of *Data Bases* for the Faculty of

Statistics, University of Roma I "La Sapienza"

May, 2001: gives, with Rosaria Conte, a tutorial on "*Image and Reputation Among Autonomous Agents*" at the conference *Autonomous Agents 2001*, Montreal, Canada.

Scientific Event Organization and invited speech

- 2016** September 2016: Main organizer and Chair of the Social Simulation Conference,, SSC 2016, the 6th joint meeting of ESSA, PAAA, and CSSSA, held in Rome, September 19-23, 2016. SSC2016 is be the 6th joint meeting (previously known as WCSS) of the three main scientific societies for Social Simulation, Social Systems Science and Computational Social Science: ESSA (European Social Simulation Association), representing Europe; PAAA (Pacific-Asian Association for Agent-based Approach in Social Systems Sciences), representing Asia and Oceania; CSSSA (Computational Social Science Society of America), representing the Americas
- 2016: he joins the steering committee for the International Workshop Series of Multi-Agent-Based Simulation (MABS).
- 2012** June 2012: invited talk "Trust in the system, trust in peers: Agent-based models of Peer review in Science" at the 15th International Workshop on Trust in Agent Societies (TRUST12), AAMAS 2012, Valencia ([http://t3.istc.cnr.it/trustwiki/index.php/Call_for_papers_-_15th_International_Workshop_on_Trust_in_Agent_Societies_\(TRUST12\)](http://t3.istc.cnr.it/trustwiki/index.php/Call_for_papers_-_15th_International_Workshop_on_Trust_in_Agent_Societies_(TRUST12)))
- March 2012: invited participation to the Dagstuhl seminar n. 12111, "Normative Multi-Agent Systems", organized by Giulia Andrighetto (ISTC - CNR - Rome, IT), Guido Governatori (NICTA - St. Lucia, AU), Pablo Noriega (IIIA - CSIC - Barcelona, ES), Leon van der Torre (University of Luxembourg, LU), <http://www.dagstuhl.de/12111>
- PC Membership (2012): 15th International Workshop on Trust in Agent Societies (TRUST12), Tenth European Workshop on Multi-Agent Systems (EUMAS 2012) – <http://eumas2012.ucd.ie/>, 4th World Congress on Social Simulation (WCSS 2012) – <http://www.aiecon.org/conference/wcss2012/>, 13th Ibero-American Conference on Artificial Intelligence (Iberamia 2012) – <http://iberamia2012.dsic.upv.es/>,
- 2011** Scientific Chair of the ICORE 2011 Conference - The second International Conference on Reputation: Montpellier, September 2009 – <http://2011.icore.name/>
- Member of the international Editorial Review Board of IJATS, the International Journal of Agent Technologies and Systems (IJATS) - <http://www.igi-global.com/bookstore/titledetails.aspx?titleid=1109&detailstype=reviewboard>
- PC membership (2011): AAMAS 2011, the 10th International Conference on Autonomous Agents and Multiagent Systems, (<http://www.aamas2011.tw/Committee.html#>)

WHICEB 2011, the Tenth Wuhan International Conference on e-Business ()
DOCM3AS-2011, the joint workshop of the Int. Workshop on Data Oriented
Constructive Mining and Multi-Agent Simulation (DOCMAS) and the Int.
Workshop on Massively Multi-Agent Systems: Models, Methods, and Tools
(MMAS), at AAMAS 2011 : <http://www.ai.soc.i.kyoto-u.ac.jp/docmas/workshop/docm3as/>

2010 Organizer of the SCIVE workshop: Social Complexity of Informal Value Exchange,
SCIVE 2010 at the European Complex Systems Society Conference (ECCS 2010),
Lisbon, September 16th, 2010 (<http://cfpm.org/scive/>)

PC membership (2010):

AAMAS 2010, the 9th International Conference on Autonomous Agents and
Multiagent Systems (senior PC member)
(http://www.cse.yorku.ca/AAMAS2010/index.php?content=senior_program_committee)

EUMAS 2010, the 8th European Workshop on Multi-Agent Systems
(<http://lipade.math-info.univ-paris5.fr/eumas10/pc.html>).

MABS 2010, the 11th International Workshop on Multi-Agent-Based Simulation
(<http://www.cs.vu.nl/MABS10/comm.html>).

ACM SAC TRECK session on trust/reputation
(<http://www.trustcomp.org/treck/committee.htm>)

the Ninth Wuhan International Conference on e-Business (WHICEB2010),
(<http://www.whiceb.com/zjcy.htm>)

BWSS 2010, the 2nd Brazilian Workshop on Social Simulation
(<http://www.ncc.furg.br/bwss2010/committees.html>)

2009 Invited speaker to the WOA 2009 - Decimo Workshop Nazionale "Dagli Oggetti agli
Agenti (<http://cmt.math.unipr.it/woa09/agenda.html>), with the introductory
speech, title "*Reputation in action: from cognitive theory to online systems*"

Member of the editorial board for the *International Journal of Agent Technologies
and Systems*, An Official Publication of the Information Resources Management
Association, IGI Global (2009)

Scientific Chair, with Isaac Pinyol, of the First International Workshop on
Agent-Based Social Simulation and Autonomic Systems, (ABSS@Autonomics
2009), held at Autonomics 2009 – the Third International ICST Conference on
Autonomic Computing and Communication Systems, 9th-11th September,
Limassol, Cyprus (<http://www2.iiia.csic.es/~ipinyol/ABSS09/main.html>)

Scientific Chair of the ICORE 2009 Conference - The first International Conference
on Reputation: Theory and Technology, April, 2009 – <http://2009.icore.name/>

Senior PC member for AAMAS 2009;

PC membership (2009):

- the Students Session at the 11th European Agent Systems Summer School,
Turin, <http://agents009.di.unito.it/EASSS.html>
- 1st IJCAI Workshop on Social Simulation ([SS@IJCAI, http://ss-ijcai2009.di.fc.ul.pt/](http://ss-ijcai2009.di.fc.ul.pt/)), co-located with the 21st International Joint
Conference on Artificial Intelligence IJCAI-09.
- ACM SAC session on trust/reputation (<http://www.trustcomp.org/treck/>),
Third International Conference on Complex Distributed Systems (CODS

- 2009) (<http://siwn.org.uk/2009leipzig/CODS09.htm>)
- MABS 2009 (<http://labss.istc.cnr.it/mabs09/>)
 - Trust@AAMAS 2009 (<http://www.istc.cnr.it/T3/events/aamas/trust2009/>)
 - Track on Social Simulation and Modelling (SSM) of EPIA'2009 , the Fourteenth Portuguese Conference on Artificial Intelligence. (<http://epia2009.web.ua.pt/ssm/>)
 - ESSA 2009, the 6th European Social Simulation Association Conference (<http://cress.soc.surrey.ac.uk/essa2009/organizingCommittee.php>)
- 2008** PC membership (2008): ICAI 2008, CODS 2008, EASSS 2008, WCSS 2008, ICEC 2008, MABS 2008, Trust 2008, EPOS 2008.
- 2007** *May 2007*: organizer and co-chair with Luis Antunes and Emma Norling of the Workshop MABS 2007, co-located with AAMAS 07, Honolulu, Hawaii
 PC membership (2007): ICEC 2007, ESSA 2007, M2M2007.
September 2007: co-chair with Rosaria Conte, Giulia Andrighetto and Paolo Turrini of EEG 06: the Workshop on Emergence Evolution and Generation, co-located with ECCS'06 (European Conference in Complex Systems), Oxford
July 2007: "Repage—Reputation and Image for Partner Selection in Simple Markets", invited talk at the University of Luxembourg in the series of the ILIAS Seminars - <http://agamemnon.uni.lu/ILIAS/seminars/seminarsHistory.html>
- 2006** PC membership (2006): MABS 2006.
- 2005** PC membership (2005): MABS 2005, ANIREM 2005, Agents, Norms and Institutions for Regulated Multiagent Systems - July 25th, Utrecht, The Netherlands, co-located with AAMAS 2005. <http://platon.escet.urjc.es/ANIREM2005/>
- 2003** *June 2003*: organizer and co-chair, with Daniel Moldt and Gabriela Lindeman, of the workshop *Regulated Agent-Based Social Systems: Theories and Applications* (RASTA 2003) co-located with AI&LAW 2003.
January, 2003 (23-25): participates to the conference "*Towards A Scientific Concept of Culture*", Stanford University (CA), presenting a talk on "Reputation: Social Transmission for Partner Selection"
- 2002** *July 2002*: organizer and co-chair, with Daniel Moldt, Gabriela Lindeman and Bin Yu, of the workshop *Regulated Agent-Based Social Systems: Theories and Applications* (RASTA 2002) co-located with AAMAS 2002.
June 2002: author with Rosaria Conte of an Expression of Interest (EOI.FP6.2002) for the EC 6th Framework, titled "Reputation-based Social Control for Human and Agent Societies" (ReSC). http://eoi.cordis.lu/dsp_details.cfm?ID=27775
- 1997** *May 1997*: invited participation to the Dagstuhl seminar n. 9719, "Social Science Microsimulation: Tools for Modeling, Parameter Optimization, and Sensitivity Analysis" organized by N. Gilbert (Guildford), U. Mueller (Marburg), R. Suleiman (Haifa), K. Troitzsch (Koblenz).
<http://www.dagstuhl.de/en/program/calendar/semhp/?semnr=9719>
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Journal Reviews

- 2013** Reviewer for SIMULATION: Transactions of The Society for Modeling and Simulation International
- 2012** Reviewer for Advances in Complex Systems.
- 2011** Reviewer for the Journal of Autonomous Agents and Multi-Agent Systems (JAAMAS), for Artificial Intelligence (ARTINT-D-11-00075),
- 2010** Reviewer for CMOT - the journal of Computational and Mathematical Organization Theory, for the Journal of Autonomous Agents and Multi-Agent Systems (JAAMAS), SIMULATION: Transactions of The Society for Modeling and Simulation International <http://www.scs.org/simulation>
- Reviewer for the Journal of Artificial Societies and Social Simulation (JASSS), the Journal of Autonomous Agents and Multi-Agent Systems (JAAMAS) - <http://ees.elsevier.com/ijhcs/>, the International Journal of Agent Technologies and Systems (IJATS), the Journal of Computational and Mathematical Organisation Theory (CMOT), the International Journal of Human-Computer studies – IJHC (2008, impact factor 1.364), in 2009 for the <http://jcst.ict.ac.cn> Journal of Computer Science and Technology (1 paper) I.f. 0.290 in 1996,

Technology Skills

Multi-Agent simulation platforms: REPAST, ASCAPE, DESIRE, NetLogo, Jason
Symbolic Calculus: Mathematica (Wolfram Research)
Object Oriented design: UML and main tools (Rational Rose, COOL Spex, ArgoUML/Poseidon etc.)
Statistical tools: the R project
Geographical Information Systems (GIS): ESRI technologies (ArcView IMS)
Relational DBMS Oracle, Microsoft Access, PostgreSQL, MySQL.
Programming Languages: Java, Java Micro Edition, Fortran, C, C++, Visual Basic, LSL.

Language Skills

English: excellent writing and reading skills, good conversational ability.
French: basic knowledge

Hobbies

amateur GO player (about 12 Kyu)
amateur Aikido practitioner (1st Kyu)

If this curriculum is submitted to an Italian institution, please note that:

Le informazioni inserite nel presente curriculum sono rese ai sensi del DPR 445/2000.

Roma, 18 September 2017

Mario Paolucci