

PAOLO BARSOCCHI

PERSONAL INFORMATION

<i>Name</i>	Paolo
<i>Surname</i>	Barsocchi
<i>Date of Birth</i>	██████████
<i>Nationality</i>	██████████
<i>Email</i>	██
<i>Phone</i>	████████████████████
<i>Google Scholar account</i>	██
<i>ORCID ID</i>	██
<i>Publons profile</i>	██

SKILLS

Paolo Barsocchi is a senior researcher at the Information Science and Technologies Institute (ISTI) of the National Research Council (CNR) at Pisa, Italy. He received his M.Sc. and Ph.D. degrees in information engineering from the University of Pisa in 2003 and 2007, respectively. In 2004 he was assistant researcher at the ISTI-CNR Institute, and in 2008 he was visiting researcher at the Universitat Autònoma de Barcelona (Barcelona, ES). From 2010 he is a member of the research staff at the Wireless Network Laboratory of the ISTI-CNR. Since 2022 he is Distinguished Visiting Professor in electronics and communication engineering department at KIET group of institution, Delhi.

Since 2017 he is Head of the Wireless Networks Research Laboratory, whose activities and description can be found [here](#).

In 2017 he obtained the "National Academic Qualification as Associate Professor" for 09/H1 INFORMATION PROCESSING SYSTEMS and for 01/B1 COMPUTER SCIENCE.

Dr. Paolo Barsocchi is included in the World's Top 2% Scientists according to the Stanford University List "single-year impact list" in 2020, 2021 and 2022 and "career-long impact list" in 2022.

He has been nominated as a regional competence reference person for advanced manufacturing solutions in Industry 4.0 in 2017, and as a contact person in the Cluster-PON call in 2017 for the CNR Department DIITET, which ISTI belongs to.

He has been (and currently is) involved in several European projects, national and regional projects, in the following listed. The overall amount of attracted and managed funds both at European and national level is about 10M€. He is principal investigator in two National Recovery and Resilience Plan projects; PE8 - consequences and challenges of ageing and IE dedicated to Life Sciences.

He formed and trained staff in research: PhD students, research fellows, research associates and young researchers.

He has co-authored more than 100 papers published on peer-reviewed international journals and conference proceedings. He has been reviewer for several international journals and conferences, member of several international program committees of conferences and workshops, and member of the editorial board of several journals. In 2012-2016 he had been one of the founder and chair of the EvAAL Competition that aims at establishing benchmarks and evaluation metrics for comparing Ambient Assisted Living solutions.

His research interests are in the areas of internet of things (IoT), wireless sensor networks, cyber-physical systems, machine learning and data analysis techniques, smart environments, ambient assisted living, activity recognition and indoor localization.

EDUCATION

PhD in Computer Engineering

Computer Engineering Dept., University of Pisa (Italy), graduated on May 2007

Thesis: "Packet loss in terrestrial wireless and hybrid networks"

Supervisors: F. Potorti, G. Manara, F. Russo, S. Giordano

Master of Science in Computer Engineering

University of Pisa (Italy), graduated on October 2003

Thesis: "Design of terrestrial and satellite hybrid network, with relative experiments" (in Italian)

Supervisors: F. Giannetti, R. Reggiannini, E. Ferro, F. Potorti, N. Celandroni

BIBLIOMETRIC INDICES (AS OF FEBRUARY 2023)

Google Scholar

Total number of citations: 3133

H-index: 31

Scopus

Total number of citations: 2036

H-index: 26

SUPERVISING

- He is supervisor of the PhD thesis of Alessandro Staffolani (2021-), University of Bologna
- He is/had been supervisor of the PhD thesis of Antonino Crivello (2015-2018), thesis entitled: "Monitoring indoor human activities for Ambient Assisted Living"
- He has been member of the supervisory committee for the PhD thesis of Dr. Antonio L. Alfeo – University of Florence, 2016
- He has been member of the supervisory committee for the PhD thesis of Dr. Abdullah Khan – University of Florence, 2017
- Supervisor of several master-level thesis and bachelor-level thesis.

RESPONSIBILITY

- He is Head of the Wireless Networks Research Laboratory at the ISTI-CNR since 2017
- Member of the Evaluation Committee for the Sensors 2023 Travel Award.
- External examiner of PhD thesis of Dr. Nicola Saccomanno, University of Udine, IT, 2023.
- Independent External Assessor to the promotions process for Dr Horace King who has applied for promotion to Academic Level D (Associate Professor) at the Victoria University, Australia, 2021.
- External examiner of PhD thesis of Dr. Mahfuza Khatun, Boise State University, USA, 2021.
- Independent External Assessor to the promotions process for Dr Horace King who has applied for promotion to Academic Level D (Associate Professor) at the Victoria University, Australia, 2021.
- External examiner of PhD thesis of Dr. Sharareh Naghdi, University of Calgary, Canada, 2020.
- He still is the "Official Representative" of CNR in regional competence network for Advanced Manufacturing Solutions in industry 4.0
- I have been member of commission for 15 Research Assistant positions (Assegno di Ricerca)

AWARDS

- He is included in the World's Top 2% Scientists according to the Stanford University List in 2022 as both "single-year impact list" and "career-long impact list".
- He is included in the World's Top 2% Scientists according to the Stanford University List in 2021.
- He is the winner of the "Best Paper Award" IE 2019 (International Conference on Intelligent Environments).
- He is included in the World's Top 2% Scientists according to the Stanford University List in 2020.
- First runner-up of the "Best Paper Award" IPIN 2018 (International Conference on Indoor Positioning and Indoor Navigation)
- Commendation letter from the director of "Engineering, ICT and Technologies for Energy and Transportation" CNR department, 2019.
- He obtained the "National Academic Qualification as Associate Professor" for 09/H1 INFORMATION PROCESSING SYSTEMS and for 01/B1 COMPUTER SCIENCE, in 2017.
- He was one of the founders of the EvAAL Competition (Evaluating AAL systems through competitive benchmarking)
- He is the winner of the "Best Paper Award" AMMDS 2015
- He is the winner of Young Researcher award (under 35) of ISTI-CNR in 2010 and 2012
- Second classified at EvAAL 2013 with the AReM system (Activity Recognition Modelling), "Multisensor Data Fusion for Activity Recognition Based on Reservoir Computing", Valencia, 8-12 Luglio, 2013

ORGANISING COMMITTEES

- TPC CO-CHAIR – International Conference on Indoor Positioning and Indoor Navigation (IPIN 2021), Barcellona, Spagna, 29 Nov. - 2 Dec.
- TPC CHAIR – 10th International Conference on Indoor Positioning and Indoor Navigation (IPIN), 30 September – 3 October 2019, Pisa, Italy. <http://ipin2019.isti.cnr.it/committees>
- PUBLICITY CHAIR – 6th Workshop on Management of Cloud and Smart City Systems (MoCS 2016), June 27th, 2016, Messina, Italy. (<http://mocs.disi.unibo.it/committe>)
- TPC CHAIR of "Smartphone based positioning", 2nd IPIN competition, Alcalá de Henares, Madrid, Spain, October 4-7, 2016. <http://www3.uah.es/ipin2016/cfc.php>
- TPC CHAIR of "Smartphone based positioning", First IPIN competition, Banff, Alberta, Canada, October 13 -16, 2015. <http://evaal.aalooa.org/2015/organizing-committee>, 2015
- TPC CHAIR of "Localization and activity recognition for AAL", 4th International competition of Evaluating AAL System through Competitive Benchmarking (EvAAL) 7-10 July 2014, Madrid <http://evaal.aalooa.org/currentcompetition/committees2014>
- TPC CHAIR of "Indoor Localization and Tracking for AAL", 3rd International competition of Evaluating AAL System through Competitive Benchmarking (EvAAL) 1-5 July, Madrid, Spain, 2013 <http://evaal.aalooa.org/2013/committees>,
- TPC CHAIR of "Indoor Localization for AAL", 2nd International competition of Evaluating AAL System through Competitive Benchmarking (EvAAL) 2-6 July, Madrid, Spain, 2012. <http://evaal.aalooa.org/current-competition/committees2012>
- Co-organizer of the workshop: "Location-based services for Indoor Smart Environments" (LISE), Montbeliard (France), 28th October, 2013
- Program committee member of several conferences.

- PUBLICITY CHAIR – 6th Workshop on Management of Cloud and Smart City Systems (MoCS 2016), June 27th, 2016, Messina, Italy. (<http://mocs.disi.unibo.it/committe>), 2016
- PROGRAM CHAIR of “Smartphone based positioning”, 2nd IPIN competition, Alcalá de Henares, Madrid, Spain, October 4-7, 2016. <http://www3.uah.es/ipin2016/cfc.php>, 2016

PROGRAMME COMMITTEE:

- First International competition of EvAAL 2011 (Indoor Localization and Tracking) July 27th -29th, Valencia, Spain, 2011
- IEEE 73rd Vehicular Technology Conference: VTC2011-Spring 15-18 May 2011, Budapest, Hungary
- IEEE 74th Vehicular Technology Conference: VTC2011-Fall 5-8 September 2011, San Francisco, United States
- 6th INGRID workshop, Santander, Spain in June 6-8, 2011.
- 2nd International Conference on Indoor Positioning and Indoor Navigation (IPIN) 21-23 Sept. 2011, Guimares, Portugal.
- 2nd International competition of EvAAL 2012 (Indoor Localization and Tracking) 2-6 July, Madrid, Spain, 2012
- 3rd International Conference on Indoor Positioning and Indoor Navigation (IPIN) 13-15th November, Sydney, Australia, 2012
- 4th International Conference on Personal Satellite Services March 22–23, Bradford, Great Britain, 2012
- 2nd International Conference on Localization and GNSS (ICL-GNSS), Munich, Germany, June 25-27, 2012
- 8th Advanced International Conference on Telecommunications (AICT), May 27 - June 1, Stuttgart, Germany, 2012
- 4th International Conference on Indoor Positioning and Indoor Navigation (IPIN) October 28 . 31, Montbeliard-Belfort, France 2013
- 3rd International competition of EvAAL 2013 (Indoor Localization and Tracking) 1-5 July, Madrid, Spain, 2013
- IEEE International Conference on Communications (ICC), Budapest, Hungary from 9 – 13 June 2013
- IEEE Wireless Communication and Networking Conference (WCNC), Shanghai, China, 7-10 April 2013
- 5th International Workshop on Intelligent Environments Supporting Healthcare and Well-being (WISHWell'13), Dublin, Ireland – 3rd of December 2013
- 2nd International Conference on Connected Vehicles and expo (ICCVE), Las Vegas, Nevada, USA, 2-6 December 2013
- 5th International Conference on Indoor Positioning and Indoor Navigation (IPIN), 27-30 October, Busan, Korea, 2014
- 6th International Workshop on Intelligent Environments Supporting Healthcare and Well-being (WISHWell'14), Eindhoven, The Netherlands – 11th of November 2014 (<http://www.eis.mdx.ac.uk/events/wishwel1/2014-technical-programme-committee>)
- 3rd International Conference on Connected Vehicles and expo (ICCVE), Messe Wien, Vienna, Austria, 3-7 November, 2014
- IEEE Vehicular Technology Conference (VTC-2014 Fall), track in "Satellite Networks, Positioning Technologies, Localization and Navigation, September 14-17 in Vancouver, BC, Canada, 2014
- International competition of EvAAL 2014 (Indoor Localization and Tracking) 7-10 July, Madrid, Spain, 2014
- 6th International Conference on Indoor Positioning and Indoor Navigation (IPIN), Banff, Alberta, Canada, October 13 -16, 2015.

- 4th International Conference on Connected Vehicles and expo (ICCVE), Shenzhen, China, 19-23 October, 2015
- International Conference on Computing in Mechanical Engineering (ICCME'15), August 10-13, 2015, Kochi, India
- 7th International Conference on Computational Intelligence and Software Engineering (CiSE 2015), May 24-26, 2015 Beijing, China
- 7th International Conference on Indoor Positioning and Indoor Navigation (IPIN), Alcalá de Henares, Madrid, Spain, October 4-7, 2016
- 7th International Workshop on Intelligent Environments Supporting Healthcare and Well-being (WISHWell'16), London, United Kingdom – 12th or 13th September 2016. (<http://www.eis.mdx.ac.uk/events/wishwell>)
- 5th International Conference on Connected Vehicles and expo (ICCVE), Seattle, WA, USA, 12-16 September, 2016
- 6th Workshop on Management of Cloud and Smart City Systems (MoCS 2016), June 27th, 2016, Messina, Italy.
- IEEE Wireless Communications and Networking Conference (WCNC) 19-22 March 2017, San Francisco. (<http://wcnc2017.ieee-wcnc.org/>)
- 8th International Conference on Indoor Positioning and Indoor Navigation (IPIN), Sapporo, Japan, 18-21 September, 2017
- 6th Workshop on Management of Cloud and Smart City Systems (MoCS 2017), July 3, 2017, Heraklion, Crete, Greece.
- European Conference on Ambient Intelligence and the Internet of Things (AmI 2017), April 26th – 28th, 2017, Malaga, Spain
- Workshop on Management of Cloud and Smart City Systems (MoCS 2021)
- 26th IEEE Symposium on Computers and Communications (ISCC 2021)
- 4rd International Conference on Informatics & Data-Driven Medicine (IDDM21), Valencia, Spain, November 19-21, 2021
- 8th International Conference on Vehicle Technology and Intelligent Transport Systems (VEHITS 2022)
- 27th IEEE Symposium on Computers and Communications (ISCC 2022), 30 June - 3 July 2022, Rhodes Island, Greece.
- The 2nd International Workshop on Algorithms for Indoor Architectures and Systems (ALIAS 2022)
- Workshop on IoT in Health research, Thessaloniki, Greece, 2022
- Wi-DroIT 2022
- 5rd International Conference on Informatics & Data-Driven Medicine (IDDM 2022)
- IEEE conference ICIS3
- 12th Workshop on Management of Cloud and Smart City Systems, 30 June 2022, in Rhodes Island, Greece.
- 9th International Conference on Vehicle Technology and Intelligent Transport Systems, VEHITS 2023
- Third Italian Workshop on Artificial Intelligence for an Ageing Society (AIxAS 2022)

ROLE IN JOURNALS:

- Member of the editorial board of IEEE Journal of Indoor and Seamless Positioning and Navigation (since 2022)
- Member of the editorial board of MDPI Sensors - IF 5.8 (since 2020)
- Member of the editorial board of International Journal of Robotics and Automation Technology (since 2020)

- Co-editor of the special issue “Artificial Intelligence for, Ambient Assistive Living and Healthcare Solutions” for the Sensors MDPI Journal, 2021.
- Co-editor of the special issue "Advances and Trends in Sensors and Sensing Technologies for Indoor Positioning and Indoor Navigation" for the Sensors MDPI Journal, 2021.
- Editorial Board member of Sensors section “Navigation and Positioning”, 2021.
- Member of the editorial board of Wireless Communications and Mobile Computing - IF 1.899 (since 2016)
- Member of the editorial board of the International Journal on AdHoc Networking Systems (since 2016)
- Member of the editorial board of the International Journal of Distributed Sensor Networks - IF 1.239 (since 2014)
- Co-editor of the special issue “Evaluating Ambient Assisted Living Components and Systems” for the Journal of Ambient Intelligence and Smart Environments (JAISE), 2014/15
- Reviewer for several international journals, including IEEE, Elsevier, Springer and ACM journals

RESEARCH PROJECTS

- Involved in FP6 projects: SatNex, RINGrid
- CO-RESPONSIBLE for the ISTI-CNR unit of MiSE Industria 2015 “Easy-Rider”, founded in 2009-2015.
- RESPONSIBLE for the ISTI-CNR unit of EU FP6 Network of Excellence "Interactive Media with Personal Networked Devices" (InterMedia), funded in 2006-2010.
- Involved in FP7 project: UniversAAL
- RESPONSIBLE for the ISTI-CNR unit of H2020 project: ACTivating InnoVative IoT smart living environments for AGEing well (ACTIVAGE).
- RESPONSIBLE for the ISTI-CNR unit of the MIUR project “Active Ageing at Home” (AA@H), funded in 2013-2017. Total budget: 8.489 K€.
- RESPONSIBLE for the ISTI-CNR unit of the MiSE Industria 2015 project “Easy-Rider”, founded in 2009-2017. Total budget: 36.226 K€
- RESPONSIBLE for the ISTI-CNR unit of the Fondazione Cassa di Risparmio di Lucca “Well-Being@Lucca”, founded in 2014-2016. Total budget: 60 K€
- RESPONSIBLE for the ISTI-CNR unit of the Fondazione Cassa di Risparmio di Lucca MONSTER. Total budget 154 K€.
- RESPONSIBLE for the ISTI-CNR unit of the MiSE Industria 2015 project “ARIANNA”, founded in 2009-2017. Total budget: 2.999 K€.
- RESPONSIBLE for the ISTI-CNR unit of the PAR-FAS 2007 - 2013 project SIGS, currently founded . Total budget: 4.707 K€
- RESPONSIBLE for the ISTI-CNR unit of the PAR-FAS 2007- 2013 project MOSCARDO, currently founded. Total budget: 2.444 K€
- RESPONSIBLE for the ISTI-CNR unit of the Fondazione Cassa di Risparmio di Lucca TITANIO, currently founded. Total budget: 64 K€
- RESPONSIBLE for the ISTI-CNR unit of the Fondazione Cassa di Risparmio di Lucca SOCIALIZEME, currently founded. Total budget € 130 K€
- RESPONSIBLE for the ISTI-CNR unit of E-Cabin project currently funded by Fincantieri. Total budget: 1.820 K€
- RESPONSIBLE for the ISTI-CNR unit of H2020 project: ACTivating InnoVative IoT smart living environments for AGEing well (ACTIVAGE). Total budget: 18.232 K€
- RESPONSIBLE for the ISTI-CNR unit of the Regional project RESISTO.

- RESPONSIBLE for the ISTI-CNR unit of CNR project TIRS - Transizione industriale e resilienza delle Società post-Covid19 (FOE 2020). Total budget: 50 K€
- RESPONSIBLE for the ISTI-CNR unit of the MiSE project “ChAAlenge”, founded in 2021. Total budget: 8.588 K€.
- RESPONSIBLE for the ISTI-CNR unit of the Ministry of Health - Piano Operativo Salute (POS), Trajectory 1 “Active & Healthy Ageing - Tecnologie per l’invecchiamento attivo e l’assistenza domiciliare” project “ERMES”. Total budget: 4.815 K€.
- Principal Investigator for the ISTI-CNR unit of the National Recovery and Resilience Plan project PE8 - consequences and challenges of ageing, Age-it “A novel public-private alliance to generate socioeconomic, biomedical and technological solutions for an inclusive Italian ageing society”, Total budget: € 114 M€
- Principal Investigator for the ISTI-CNR unit of the National Recovery and Resilience Plan project IE- THE “Tuscany Health Ecosystem”, Total budget: € 110 M€

REVIEWER OF RESEARCH PROJECTS

- Ministry of Economic Development (MiSE) projects: “Fondo per la crescita sostenibile” from 2015 – now.
- Autonomous Province of Trento projects, 2018

INVITED SPEAKER

- Wireless Technologies in Agriculture Workshop, 28 October 2021, Marconi Labs, Coltano, Italy
- AfterFestival, September 29th- 1st October 2017 : “Cyber Physical Systems”, Modena, Italy,
- IWSSC Conference, September 12th – 15th 2007 “Satellite and Terrestrial channel models”, Salzburg, Austria

VISITING RESEARCHER

- 2008 (with fellowship) Universitat Autònoma de Barcelona, supervisor prof.ssa Maria Angeles Vazquez-Castro.
- 2022 - now Distinguished Visiting Professor in electronics and communication engineering department at KIET group of institution, Delhi

Date

February, 2023

Signature

Paolo Barsocchi