

## PERSONAL INFORMATION

### Sergio Saponara

 Dip. Ingegneria Informazione (DII), University of Pisa, via G. Caruso 16, 56122, Pisa, Italy

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## WORK EXPERIENCE

Nov 2017-Present	<b>Full-professor of Electronic Engineering</b> , DII - University of Pisa, responsible for the courses Vehicular Electronics, Electronic Systems for Automation and Robotics, Hardware and Embedded Security, Design of Integrated Circuits and Systems for IoT
May 2022- Present	<b>Expert member for MUR of “Tavolo tecnico sui semiconduttori”</b>
Jan 2020 - Present	<b>DII Department Delegate for “Attività di Terza Missione e Rapporti con il Territorio”</b> , DII - University of Pisa
Jan 2020 - Present	<b>Steering Committee National Lab HPC Key Technology and Tools</b> , CINI, Roma
Dec 2018 - Present	<b>Steering Committee European Processor Initiative</b>
July 2022 – Present	<b>Co-leader Spoke Multiscale Modelling and Engineering Applications</b> , PNRR <b>National Center HPC, Big Data and Quantum</b>
July 2022 – Present	<b>Technical Steering Committee</b> , PNRR <b>National Center HPC, Big Data and Quantum</b>
Nov 2017 - Present	<b>President (2020-present, VP2017-19) of the Bachelor (L8) Programme in Electronic Engineering</b> , School of Engineering, University of Pisa <a href="http://www.ing-ele.ing.unipi.it/">http://www.ing-ele.ing.unipi.it/</a> , including Coordination of Gruppo Riesame, Commissione paritetica, Commissione valutazione corso di studio e Commissione monitoraggio annuale
Nov 2017 - Present	<b>President (2020-present, VP2017-19) of the Master (LM29) Programme in Electronic Engineering</b> , School of Engineering, University of Pisa <a href="http://www.ing-ele.ing.unipi.it/">http://www.ing-ele.ing.unipi.it/</a> , including Coordination of Gruppo Riesame, Commissione paritetica, Commissione valutazione corso di studio e Commissione monitoraggio annuale
Nov 2017 - Present	<b>University of Pisa Representative</b> in the EERA (European Energy Research Alliance)- JP Smart Cities and in the association MOVET (MOtors VEhicles Technologies)
Jan 2005 – Present	<b>Professor at Italian Naval Academy</b> , Livorno, Italy, responsible for the courses Electronics (Stato Maggiore) and Fondamenti di Elettronica e Telecomunicazioni (Ruoli Speciali AN)
Jan 2012 – Present	Evaluator for MIUR, MISE, EU H2020 Space Tec, Governments of Romania, Kazakhstan, Cyprus, Italian Regions (Puglia, Piemonte, Campania, Trentino Alto Adige)
Feb 2020 - June 2021	<b>Director specialization course “Automotive Electronics and Powertrain Electrification”</b> , University of Pisa and Tuscany Region
Feb 2020 - Present	<b>AI4People committee</b> , European Institute for Science, Media and Democracy (EISMD)
May 2018 – Present	<b>ViceDirector UCAR (University Center for Automotive Research)</b> <a href="http://www.ucartuscany.it/">http://www.ucartuscany.it/</a>
July 2016 – Present	<b>Director Summer School “Enabling Technologies for Industrial IoT”</b> , <a href="https://www.unipi.it/index.php/engineering/item/6869-summer-school-internet-of-things">https://www.unipi.it/index.php/engineering/item/6869-summer-school-internet-of-things</a>
July 2016 – Present	<b>Director Lab I-CAS “Integrated and Embedded Circuits and Systems”</b>

- May 2014 - Present **Co-founder, co-owner and scientific advisor of InegniArs srl**  
<https://www.ingeniars.com/>, via Ponte a Piglieri 8, 56122, Pisa, Italy
- May 2017 – May 2021 **IEEE distinguished lecturer**
- Jan 2018 – June 2020 **Responsible Crosslab IoT** <https://crosslab.dii.unipi.it/>, Polo Tecnologico di Navacchio
- Nov 2017- Nov 2020 **National leader of the area “Electronic Systems and Applications” of the SIE (Società Italiana di Elettronica)**
- Dec 2011- Oct 2017 **Associate Professor of Electronic Engineering**, DII - University of Pisa, responsible for the courses Vehicular Electronics, Electronic Systems for Automation and Robotics, Electronics PCB Design
- Jan 2006 - May 2011 **Engineering Consultant, Consorzio Pisa Ricerche scarl**  
 CPR scarl, Corso Italia 8, 56126, Pisa, Italy
- Dec 2005- Nov 2011 **Assistant Professor of Electronic Engineering**, DII - University of Pisa, responsible for the courses Vehicular Electronics, Electronic Systems for Automation and Robotics
- Dec 2002 - Nov 2005 **Post-doc Research Fellow**, DII- University of Pisa
- May 2002 – Dec 2002 **Marie Curie Research Fellow**, Interuniversity Microelectronics Center (IMEC), Leuven, Belgium
- May 1999 – Dec 1999 **Post-graduate Researcher**, Grant funded by CNR-CSMDR (Consiglio Nazionale delle Ricerche- Centro Studi Metodi e Dispositivi di Radiotrasmissioni), Pisa, Italy

## EDUCATION AND TRAINING

- Jan 2000 – Dec 2002 **PhD in Information Engineering** (research grant by STMicroelectronics)  
 University of Pisa, Italy
- Nov 1999 – April 1999 **Laurea Degree in Electronic Engineering** (5-year), 110/110 cum Laude  
 University of Pisa, Italy
- Sept 1989 – June 1993 **Diploma Maturità Scientifica**, 60/60  
 Liceo Scientifico “E. Majorana”, Genzano di Lucania (PZ), Italy

## OTHER SKILLS

- Languages Italian (Mother tongue), English (Fluent), French (Basic)
- Scientific Editor Associate Editor of Journal Real-Time Image Processing, IEEE Canadian Journal for Electrical and Computer Engineering, Springer Lecture Notes in Electrical Engineering, IEEE Consumer Electronics Magazine, IEEE Vehicular Technology Magazine, IET Electronic Letters, IEEE VCAL Letters, Energies, Entropies, Sensors.
- Guest editor at IEEE Transactions on Industrial Informatics, EURASIP Journal on Embedded Systems, Applied Sciences
- Scientific Projects as Unit Leader/Coordinator last 10 years
- 2018-21 H2020 European Processor Initiative (EPI) SGA1; UNIPi Leader & Steering Committee, Funding UNIPi: 1,545 M€ (Project 80 M€ lead ATOS)
- 2022-25 EuroHPC JU, European Processor Initiative (EPI) SGA2; UNIPi Leader & Steering Committee, Funding UNIPi: 2,335 M€ (Project 70 M€ lead ATOS)
- 2022-25 Horizon Europe, Aero: Accelerating European Cloud; UNIPi Leader, Funding UNIPi: 0,45 M€ (Project 6 M€)
- 2021-24 EuroHPC JU, Textarossa, CINI coordinator, Funding UNIPi: 0.5 M€ (Project 6 M€ lead ENEA)
- 2022-25 EuroHPC JU EUPEX, UNIPi-DII coordinator, Funding UNIPi: 0.5 M€ (Project 40M€ lead ATOS)
- 2021-24 EuroHPC JU TheEuropeanPilot, CINI coordinator, Funding UNIPi: 0.4 M€ (Project

	35M€ lead BSC)
	2021-24 ECSEL JU Hiefficient, UNIPi Leader, Funding UNIPi: 0.4 M€ (Project 44 M€ lead AVL)
	2013-17 FP7 ATHENIS3D, WP leader, Funding UNIPi: 0.35 M€ (Project 8 M€ lead AMS)
	2020- 22 FESR EU project SURFACE Funding UNIPi: 0.15 M€ (Project 0.35 M€)
	2017- 19 FESR EU project AirCardio Funding UNIPi: 0.3 M€ (Project 3 M€)
	2021-23 Tuscany Region Project RE START Coordinator, Funding UNIPi: 0.24 M€ (Project 0.36 M€)
	2021-2023 INFN callV funding, 0.9 M€, Falaphel, WP coordinator
Publications	325 publications indexed in Scopus (168 journals, 157 conference proceedings), list here <a href="https://orcid.org/0000-0001-6724-4219">https://orcid.org/0000-0001-6724-4219</a>
Scientific Index	Hindex (28 Scopus, 33 GS) , citations (3250 Scopus, 4400 in GS); in the Stanford list of top 2% cited researchers in 2020 and in 2021 and in 2022
Technology Transfer	Unit leader for industry funded research and knowledge transfer projects by Marelli, Huawei, Intel, ABB Powerone, MBDA, Magna Mechatronics, STMicroelectronics, Pierburg Rheinmetall, Flyby, Intecs, CarbonDream, IngeniArs, RiCo, Sestalab, I-Pool, PPC, Solari, SelexGalileo (Leonardo), Piaggio, New Tech Holding srl
Teaching activities for companies	Teacher in courses for the re-skilling/up-skilling of companies: for Pierburg Rheinmetall Italy, Reinova, Magna Mechatronics, ABB Powerone, Vitesco Technologies, Sestalab
Evaluation Activity	Evaluation activity for MIUR, MISE, EU H2020 Space Tec, Governments of Romania, Kazakhstan, Cyprus, Italian Regions (Puglia, Piemonte, Campania, Trentino Alto Adige)
Associations	Scientific associations to CINI, CNIT, INFN, SIE (leader area Electronic Systems 2017-2020) European Networks HIPEAC and Newcom