

Curriculum Vitae

Personal Information

Name and Surname **Nicola Capodieci**
E-mail nicola.capodieci@unimore.it
Website <http://hipert.unimore.it/>
Nationality Italian
Gender Male
Date and place of birth 29/05/1986, Modena, Italy

Education

Date 11/03/2015
Title Phd
ICT doctorate school at Università di Modena e Reggio Emilia, Italy
Supervisor Prof. Giacomo Cabri
Thesis title: Design and Applications of Collective Adaptive Systems: an Approach based on Artificial Immune Systems

Date Jan. to June 2013 and from Jan. to June 2014
Role Visiting researcher in bio-inspired distributed intelligence.
Supervisor Prof. Emma Hart
Edinburgh Napier University, Edinburgh, UK.

Date 05/02/2013
Title Admission: Order of Engineers, Modena Section

Date April 2011
Title M.Sc in Computer Engineering
University of Modena And Reggio Emilia, Italy
Thesis Title: P2P Energy Exchange agent platform featuring a game theory related negotiation Algorithm

Date From Sept. 2010 to Feb. 2011
Role Visiting Researcher in distributed systems
Supervisor Prof. Marco Aiello
Rijksuniversiteit Groningen, Groningen, The Netherlands

Date | From Aug. to Nov. 2011
 Role | Visiting Researcher in distributed systems
 Supervisor | Prof. Mihaela Ulieru
 University of New Brunswick, Fredericton (NB), Canada

Work Experience

Date | From Feb. 2022, current occupation
 role | Researcher tenure track, (RTD B).
 Department of Physics, Mathematics and Informatics, University of Modena, Italy

Date | From Oct. 2016 to Oct. 2021
 role | Associate Researcher, (RTD A).
 Department of Physics, Mathematics and Informatics, University of Modena, Italy

Date | Nov. and Dec. 2016
 Role | Teacher of programming Human-Machine interfaces
 CNI-ECIPAR, Modena

Date | from May 2016 to end of August 2016
 role | Schedulability analysis of Real-Time constraints in Graphic Processing Units (GPUs). Automotive and ADAS Scenarios.
 NVIDIA Corporation, 2701 San Tomas Expy, 95050 Santa Clara CA, USA.

Date | From March 2015 to March 2016
 Role | Research Scholarship.
 University of Modena and Reggio Emilia: HiPeRT-lab (<http://hipert.unimore.it/>)
 AgentGroup: <http://agentgroup.unimore.it/>

Date | Febr. 2015
 Role | Teacher of Mobile programming on Android
 Consorzio Ferrara Innovazione, Ferrara, Italy

Date | Nov. 2014 to March 2015
 Role | 2D/3D Graphic interface programmer
 MDLAB S.r.l, Reggio Emilia, Italy

Memberships

IEEE Member since 2011
 IEEE Technical committee on Systems, Man, Cybernetics Society: Distributed System Section.
 Member since 2015

Publications

I have authored more than 60 publications in the field of Parallel and Distributed Systems, with specific emphasis on embedded and real-time architectures, GP-GPU computing and bio-inspired artificial intelligence. https://scholar.google.com/citations?user=0_onpPkAAAAJ&hl=it&oi=ao

Awards

2012

- Capodiecici, N., Alsina, E. F., & Cabri, G. (2012, June). A context-aware agent-based approach for deregulated energy market. In Enabling Technologies: Infrastructure for Collaborative Enterprises (WETICE), 2012 IEEE 21st International Workshop on (pp. 16-21). IEEE. BEST PAPER AWARD. 978-1-4673-1888-4

2014

- Capodiecici, N., Hart, E., & Cabri, G. (2014, September). Artificial Immune System driven evolution in Swarm Chemistry. In Self-Adaptive and Self-Organizing Systems (SASO), 2014 IEEE Eighth International Conference on (pp. 40-49). IEEE. BEST PAPER AWARD. 10.1109/SASO.2014.16 - ISBN - 978-1-4799-5367-7/14

2023

- Muzzini, F., Capodiecici, N., Montangero, M. (2023 September). Coordinated traffic lights and auction intersection management in a mixed scenario. In Proceedings of the 2023 ACM Conference on Information Technology for Social Good (GoodIT). BEST PAPER AWARD <https://doi.org/10.1145/3582515.3609534>