

Antonio Caruso

Curriculum Vitae Résumé

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Personal Info

Antonio Mario Caruso. Born in Catania (Italy) on 9 September 1972. Italian Fiscal Id. CRSNNM72P09C351G.

Current Position: Assistant Professor (Tenured), Department of Mathematics and Physics 'Ennio De Giorgi' - University of Salento.

Education

2003 /Ph.D. in Computer Science, University of Pisa

April 1997 *Laurea* in Computer Science, Summa with Laude

Service

2016 **Program and Conference Chair**, 17th Italian Conference on Theoretical Computer Science (ICTSC), Lecce - September 7-9th.

- TPC
- CCNC 2017 - TPC - 8-11 January 2017 // Las Vegas // USA
- Conferences:
- DENVECT'16 - TPC - Messina, Italy 22 June 2016.
 - ICTCS 2014 - TPC - Perugia, Italy from 17th to 19th September 2014.
 - Wireless Days 2012 - November 21-23, Dublin, Ireland
 - Wireless Days 2011 - TPC (Niagara Falls) 2011.
 - NIME 2011 - TPC (ICCCN 2011 Workshop on Networking Issues in Multimedia Entertainment)
 - ICSNC 2009 - TPC - (The Fourth International Conference on Systems and Networks Communications), Porto, Portugal, September 20-25, 2009.

Work Experience

2006-2007 **Visiting Professor**, University of California, Los Angeles (UCLA), Department of Computer Science
Funded by UCLA and University of Salento.

2005 **Private Consulting Activity**, in Marconi – Selenia (Finmeccanica)..

Nov. 2004 - **Visiting Researcher**, University of California Los Angeles, Department of Computer Science
2005 by UCLA and University of Salento.

2003– Oct. **Postdoctoral Fellow**, at I.S.T.I. and I.I.T.: Institutes of the National Research Council of Italy
2004 (CNR), Pisa.
project FIRB VICOM

- 2003 **Consulting and Software Development**, for *LiberoLogico S.r.l.*, *Mas Communication S.r.l.* and others.
- 2002 **Visiting Ph.D.**, *Laboratoire de Systèmes Répartis (Distributed Systems Laboratory)*, Ecole Polytechnique Fédérale de Lausanne by invitation of Prof. Schiper.

Teaching

- 2008 – 2016 Introduction to Computer Programming in C - Math Undergraduate Course, University of Salento
- 2009 - 2017 Computability and Computational Complexity - Math Master Degree, University of Salento
- 2002 - 2003 Course of Computer Science and ICT - Naval Accademy, Livorno
- 2001 - 2003 Teaching Assistant - Operating Systems, Concurrent Programming, Java Programming, Undergraduate Courses in Computer Science. University of Pisa

Publications

- [1] A. Caruso, L. Albin, and P. Maestrini. A new diagnosis algorithm for regular interconnected structures. *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 2847:264–281, 2003. cited By 1.
- [2] A. Caruso, S. Chessa, S. De, and A. Urpi. Gps free coordinate assignment and routing in wireless sensor networks. volume 1, pages 150–160, 2005. cited By 185.
- [3] A. Caruso, S. Chessa, and P. Maestrini. Worst-case diagnosis completeness in regular graphs under the pmc model. *IEEE Transactions on Computers*, 56(7):917–924, 2007. cited By 15.
- [4] A. Caruso, S. Chessa, P. Maestrini, and P. Santi. Diagnosis of regular structures. pages 213–222, 2000. cited By 7.
- [5] A. Caruso, S. Chessa, P. Maestrini, and P. Santi. Diagnosability of regular systems. *Journal of Algorithms*, 45(2):126–143, 2002. cited By 24.
- [6] A. Caruso, S. Chessa, P. Maestrini, and P. Santi. Evaluation of a diagnosis algorithm for regular structures. *IEEE Transactions on Computers*, 51(7):850–865, 2002. cited By 9.
- [7] A. Caruso, S. Chessa, P. Maestrini, and P. Santi. Fault-diagnosis of grid structures. *Theoretical Computer Science*, 290(2):1149–1174, 2003. cited By 9.
- [8] A. Caruso, F. Paparella, L.F.M. Vieira, M. Erol, and M. Gerla. The meandering current mobility model and its impact on underwater mobile sensor networks. pages 771–779, 2008. cited By 36.
- [9] S. De, A. Caruso, T. Chaira, and S. Chessa. Bounds on hop distance in greedy routing approach in wireless ad hoc networks. *International Journal of Wireless and Mobile Computing*, 1(2):131–140, 2006. cited By 45.
- [10] F. Di Rienzo, M. Girolami, S. Chessa, F. Paparella, and A. Caruso. Signals from the depths: Properties of percolation strategies with the argo dataset. volume 2016-August, pages 372–378, 2016. cited By 0.
- [11] M. Erol, L.F.M. Vieira, A. Caruso, F. Paparella, M. Gerla, and S. Oktug. Multi stage underwater sensor localization using mobile beacons. pages 710–714, 2008. cited By 31.
- [12] M. Girolami, S. Chessa, and A. Caruso. On service discovery in mobile social networks: Survey and perspectives. *Computer Networks*, 88:51–71, 2015. cited By 9.

Detailed Publication List at <http://bilbo.unisalento.it/antonio>