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Associate Professor of Computer Science
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EDUCATION

PhD in Computer Science, University of Salerno, 2001

Laurea degree in Informatics, University of Salerno, 1995

EMPLOYMENT

Associate Professor, Department of Computer Science and Appl., University of Salerno, Italy
2006 - present

Research Group Leader, “Combinatorial Search Algorithms in Bioinformatics”, Faculty of Technology, Bielefeld University, Germany 2004 - 2009

Assistant Professor, Department of Computer Science and Appl., University of Salerno, Italy
2001 - 2006

AWARDS

Sofja Kovalevskaja Award, Alexander von Humboldt Foundation, *grant of 700 000 Euro*, 2004

Best Italian PhD Thesis in Theor. Comp. Science, Italian Chapter of the EATCS, 2001

INTERNATIONAL EXPERIENCES and HONORS

Visiting researcher and DAAD fellow, Department of Computer Science, Freie Universität Berlin, Germany, 2 months, 2011

Visiting professor, Alfréd Rényi Institute of Mathematics, Hungarian Academy of Sciences, Budapest, Hungary, 6 months, supported by EU-FP6 ToK HUBI, 2009 - 2010

Marie Curie fellowship, EU Research Training Network *COMBSTRU: Combinatorial Structure of Intractable Problems*, 2 year contract interrupted for taking up the research group leadership in Bielefeld, 2004

Visiting researcher and DAAD fellow, Center for Biotechnology, Bielefeld University, Germany, 6 weeks, 2004

Visiting researcher, ZiF Research Group *General Theory of Information Transfer and Combinatorics*, Center for Interdisciplinary Research, Bielefeld, 2002 - 2003

Visiting researcher, Faculty of Informatics, Vienna University of Technology, 6 weeks, 2000

CNR fellow, Italian Council of Research fellowship for a research visit to Middlesex University, London, UK, 8 months, 1995 - 1996

Erasmus fellow, Middlesex University, London, UK, 3 months, 1993

SCIENTIFIC RESPONSIBILITIES

Programme Committee membership in international symposia

- *FCT 2013*, 19th *International Symposium on Fundamentals of Computation Theory*, Liverpool, United Kingdom, 19-21 August 2013

- *Search Methodologies III*, ZiF - Center for Interdisciplinary Research, Bielefeld, Germany, 3-7 Oct. 2012 (co-chair)
- *CPM 2012, 23rd Annual Symposium on Combinatorial Pattern Matching*, Helsinki, Finland, 3-5 July 2012
- *SOFSEM 2012, 38th International Conference on Current Trends in Theory and Practice of Computer Science*, Špindlerův Mlýn, Czech Republic, 21-27 Jan. 2012
- *Algorithms and data structures for selection, identification and encoding*, ICALP 2011 Workshop, Zurich, Switzerland, 3 July 2011 (co-chair)
- *CCP 2011, International Conference on Data Compression, Communication, and Processing*, Palinuro, Italy, 21-24 June 2011
- *Search Methodologies II*, ZiF - Center for Interdisciplinary Research, Bielefeld, Germany, 25-29 Oct. 2010 (co-chair)
- *Search Methodologies*, Dagstuhl Seminar 0928, Leibniz-Zentrum für Informatik, Germany, 5-10 July 2009 (co-chair)
- *LATIN 2008, Latin American Theoretical Informatics Symposium*, Buzios, Rio de Janeiro, Brazil, 7-11 Apr. 2008
- *CASB 2006, International Conference on Computational and Systems Biology*, Dallas, USA 13-14 Nov. 2006
- *COSSAC 2001, Combinatorics of Searching, Sorting & Coding*, Ischia, Italy, 7-9 Sept. 2001 (co-chair)
- *SMI '96, Intelligent Multimedia Systems*, Ravello, Italy, 13-15 Nov. 1996

Guest Editor for the following volumes

- Theoretical Computer Science, special issue dedicated to *Search Methodologies*, in preparation
- Algorithmica, special issue on *Group Testing and Compressed Sensing*, vol. 67 (3), 2013
- Lecture Notes in Computer Science Festschrift, *Information Theory, Combinatorics and Search Theory*, vol. 7777, 2013
- Discrete Applied Mathematics, vol. 137 (1), 2004

External referee, US National Science Foundation (NSF), US National Security Agency (NSA), United States-Israel Binational Science Foundation (BSF)

Referee for international journals: ACM Transactions on Algorithms, Algorithmica, Central European Journal of Mathematics, Computers and Operations Research, Discrete Applied Mathematics, IEEE/ACM Transactions on Computational Biology and Bioinformatics, IEEE Transactions on Industrial Applications, IEEE Transactions on Information Theory, Information Processing Letters, Journal of Combinatorial Theory, Journal of Discrete Algorithms, SIAM Journal on Computing, Soft Computing, Theoretical Computer Science, and others

Referee for international conferences: ESA, ICALP, ICTCS, ISAAC, ISIT, LATIN, MICAI, MFCS, SIROCCO, SODA, STACS, WABI, and others

FUND-RAISING

Sofja Kovalevskaja Programme, grant of 700 000 Euro, Alexander von Humboldt Foundation, 2004 - 2009 (Principal Investigator)

DFG Research Grant, *Advances in Search and Sorting*, grant of 120 000 Euro, Deutsche Forschungsgemeinschaft, 2007 - 2010 (cooperation partner)

ZiF Cooperation Group Programme, grant of 50 000 Euro, ZiF - Center for Interdisciplinary Research, Bielefeld, 2010 - 2013 (Principal Investigator)