Domenico Talia

Personal Data

Degree: Laurea Degree in Physics, University of Calabria, Italy

Date and Place of Birth:

Current Position: Full Professor of Computer Engineering at University of Calabria

Home:

Work: DIMES, University of Calabria
                        Via P. Bucci, 41c, 87036 Rende, CS, Italy
                        phone: +39 0984 494726
                        fax: +39 0984 494713
                        email: talia@dimes.unical.it
                        web: si.dimes.unical.it/~talia

Bibliometrics

From https://scholar.google.it/citations?user=0RMjJHMAAAAJ&hl=it&oi=ao

Citations	7713
Cites/Paper	19.2
h-Index	43
i10-Index	141

Research Interests

Big Data analysis, Data Science, Social data mining, distributed learning
High performance computing, Cloud computing , exascale systems
Distributed knowledge systems, Knowledge discovery
Data-driven programming models, Parallel programming
Distributed computing systems, Peer-to-peer computing
Cellular automata and complex systems.

Scientific and Professional Career

07/01 – now   Full Professor of Computer Engineering, University of Calabria, Italy.
11/17 – now   Adjunct Professor, Fuzhou University, China.
09/17 – now   Honorary Professor of Information Technology, Amity University, India.
02/14 – 03/17 Chair of the ICT Centre of University of Calabria, Italy.
01/09 – 08/14 Director, ICAR-CNR Institute (www.icar.cnr.it).
11/03- 01/09   Director, PhD Program in System and Computer Engineering at University of Calabria.
01/04 – 12/08 Research associate at ICAR-CNR, Rende, Italy.
06/96 – 06/01 Researcher at ISI-CNR, Rende, Italy.
02/85 – 05/96 Researcher at CRAI, Italy.

Research Projects and Grants

- Exascale programing models for extreme data processing project (ASPIDE), H2020 European Commission Programme.

- European COST Action IC1305: Network for Sustainable Ultrascale Computing (NESUS),

- GOVeiN European Invoicing Project, European Union, CEF 2015.

- "CABOTO – Cellular Automata for the Bioremoval of Toxic Contaminats", European Commission P.C.I. EPRIT Programme.

- "COLOMBO - Parallel COmputers improve cLean up of sOils by Modelling BiOremediation", European Commission EPRIT Programme.

- "KD-net - Knowledge Discovery Network of Excellence", European Commission IST-2001-33086 Programme.

- "HPCnet - Network of Excellence in High Performance Computing", European Commission ESPRIT Programme (Project #09004).

- "COREGrid - European Research Network on Foundations, Software Infrastructures and Applications for large scale distributed, GRID and Peer-to-Peer Technologies", European Commission IST Programme. Member of the Executive Committee and Leader of WP2.

- "XtreemOS, Building and Promoting a Linux-based Operating System to Support Virtual Organizations for Next Generation Grids", 6th European Framework Programme.

- "Chronius, An Open, Ubiquitous and Adaptive Chronic Disease Management Platform for COPD and Renal Insufficiency", FP7-ICT-2007–1– 216461.

- European COST Action IC0804: Energy Efficiency in Large Scale Distributed Systems,

- "InMOTO Project", funded by MIUR.

- "TETRIS Project", funded by MIUR.

- "FRAME Project", funded by MIUR.

- "P2P-CSKM-SSDM", funded by Regione Calabria.

- "Sistemi Informatici e Calcolo Parallelo" funded by CNR.

- "GRID.IT Project" funded my MIUR.

- "DW-PTC project", funded by TELCAL.

- "SERVIR - Servizi Innovativi alle imprese produttrici di software", funded by Calpark.

- "Grid Computing: Tecnologie Abilitanti e Applicazioni per eScience", funded by Fondo Speciale MIUR 1999.

- "TOCAI.IT Project" funded my MIUR.

- CNR Project "Grid and High Performance Computing".

Industrial partnership and patents

Partnership in Industrial enterprises

04/14 - now   Partner, DtoK Lab – spin-off of University of Calabria.

11/12 - 05/14 Partner, Eco4Cloud – spin-off of CNR and University of Calabria.

01/02 - 07/18 Partner, Exeura – spin-off of University of Calabria.

Patents

Peer-to-peer distributed storage system

Energy-saving system for enterprise data centers

Professional Service

Experience in evaluation and review for research organisations
- Evaluator for European Commission, FP7-ICT-2011-7 Objective 3.4 Computing systems.
- Evaluator Science Foundation Ireland (SFI).
- Evaluator for MIUR, Italian Ministry of Education, University and Scientific Research.
- Member of the European Commission expert panel "Next Generation Grid".
- Evaluator for Government of the Russian Federation, research projects implemented by leading scientists at Russian institutions of higher learning.
- Member of the evaluation committee of the Laboratoire de l'Informatique du Parallélisme, École Normale Supérieure de Lyon, France, 2009.
- Evaluator for Estonian Research Council,
- Evaluator for the Agence Nationale de la Recherche, France.
- Evaluator for the FWO, Belgium.
- Evaluator for the Austrian Science Fund, Austria.
- Evaluator for Swiss National Science Foundation, Switzerland.
- Evaluator for the Croucher Foundation, Hong Kong.
- Member of the INFORAV Scientific Committee, Italy.
- Member of the CNR-SOGEI Agreement Management Committee, Italy.

Membership in Professional Associations
        IEEE (Senior member), ACM.

Journal Associated Editor
        IEEE Transactions on Parallel and Distributed Systems, 2018-now
        ACM Computing Surveys, 2020-now

Journal of Cloud computing, 2014-now
International Journal of Big Data Intelligence, 2016-now
Future Generation Computer Systems, 1999-now
Scalable Computing: Practice and Experience, 1998-now
International Journal of Biomedical Data Mining, 2014-now
International Journal of Next-Generation Computing, 2010-now
International Journal on Web and Grid Services, 2004-now.
IEEE Computer Society Press, 1997-2002
IEEE Transactions on Computers, 2011-2014
IEEE Transactions on Knowledge and Data Engineering, 2005-2009
IEEE Transactions on Cloud Computing, 2014-2018
MultiAgent and Grid Systems: An International Journal, 2006-2017
Web Intelligence and Agent Systems: An International Journal, 2004-2015
INFORMATION (International Information Institute), 1999-2002

Special Issue Guest Editor

New Landscapes of the Data Stream Processing in the era of Fog Computing
Future Generation Computer Systems, 2019.

Integration of Extreme Scale Computing and Big Data Management and Analytics
IEEE Transactions on Big Data, 2017

Energy Efficiency in Large Scale Distributed Systems,
Future Generation Computer Systems, 2012.

Peer-to-Peer Computing and Interaction with Grids,
Future Generation Computer Systems, 2004.

Grid Computing,
Future Generation Computer Systems, Autumn 2002.

Parallel Data Intensive Algorithms and Applications,
Parallel Computing, Spring 2002.

Architecture-Independent Lang. and Software Tools for Parallel Processing,
IEEE Transactions on Software Engineering, Spring 2000.

Cellular Automata: Promise and Prospects in Computational Science,
Future Generation Computer Systems, Winter 1999.

Advisory Committee and Board

Advisory Committee of the IEEE Task Force on Cluster Computing (TFCC), 1999-now
Advisory Board of Euro-Par Conferences, 1997-now
Advisory Board of the Admire project, EC FP7, 2009-now
Advisory Board of the CONTRAIL project, EC FP7, 2011-now

Distinguished Speaker

IEEE Computer Society Distinguished Visitors Program, 1996-1999.
IEEE Computer Society Chapter Tutorials Program, 1998-2000.

General Co-Chair

Workshop on Distributed and Parallel Implementations of Logic Programming Systems, Washington D.C., U.S.A., 1992.

Track on High-Performance Data Mining and KDD at Euro-Par'99, Toulouse, France, 1999.

Track on High-Performance Data Mining and KDD at Euro-Par 2000, Munich, Germany, 2000.

Track on Parallel and Distributed Databases, Data Mining and Knowledge Discovery at Euro-Par 2002, Paderborn, Germany, 2002.

Track on Parallel and Distributed Databases, Data Mining and Knowledge Discovery at Euro-Par 2003, Klagenfurt, Austria, 2003.

7th International Workshop on High Performance and Distributed Mining at SIAM DM 2004, Florida, USA, 2004

Track on Integrated Problem Solving Environments at Euro-Par 2004, Pisa, Italy, 2004.

IEEE/WIC/ACM Conference IAT 2004, Bejing, China, 2004.

Track on Parallel and Distributed Databases, Data Mining and Knowledge Discovery at Euro-Par 2005, Lisbon, Portugal, 2005.

Int. Conference on Grid computing, high-performance and Distributed Applications (GADA'06), 2006.

Track on Parallel and Distributed Databases at Euro-Par 2008, Las Palmas, Spain, 2008.

Euro-Par 2010, Ischia, Italy, 2010.

ICSDM 2011, Fuzhou, China, 2011.

ICA3PP 2013, Vietri sul Mare, Italy, 2013.

ICSDM 2015, Fuzhou, China, 2015.

Track on Distributed Algorithms at Euro-Par 2016, Grenoble, France, 2016.

IEEE DataCom 2016, Oakland, New Zeland, 2016.

Organizing Committee

Euresco Conf. on Advanced Environments and Tools for High Performance Computing, Castelvecchio Pascoli, Italy, 16-21 June 2001.

Euresco Conf. on Advanced Environments and Tools for High Performance Computing 2003, Albufeira (Algarve), Portugal, 14-19 June 2003.

Program Committee

GPMMS'94, HIPS'98, World-CNIW98, HIPS'99, ISAS'99, Euro-Par'99, PDCS-1999, ITCC2000, HIPS2000, Cancun, HPDM2000, ISAS 2000, Euro-Par 2000, ICCI'2000, HPCN2000, SLSECS-2000, PDCS 2000, Information'2000, HIPS 2001, PDDM 2001, SDM'2001, PDCS 2001, PARCO 2001, GRID 2001, HIPS 2002, GRID 2002, PDCS 2002, HPDM 2002, Euromicro PDP 2003, ISCA PDCS'02, IEEE Data Mining 2002, SDM'2003, ISCA PDCS'03, HP&LSC 2003, HeteroPar'03, HPDM'03, PPAM 2003, CLADE 2003, PDCN-2004, SDM'2004, KGGI 2003, PPGaMS'04, GP2P 2004, MML 2004, NPC 2004, KDO-2004, ACRI 2004, IPDPS 2005, EGC 2005, HIPS 2005, CCGrid 2005, ICPADS-2005, ISMIS 2005, PGaMS'05, HPDM 2005, SDM'2005, PPAM'2005, ECML/PKDD'05, GP2P'2005, SIAM DM'06, PKDD'06, EuroPar 2007, CCGRID 2008, SIAM DM'08, HPDC 2008, IPDPS 2008, EMCL PKDD 2008, EuroPar 2008, EMCL PKDD 2009, EuroPar 2009, PPAM'2009, HPCC 2009, EMCL PKDD 2010, HPCC 2010, UCC2011, EMCL PKDD 2011, MCIS 2011, WCCTA 2011, ICA3PP 2011, TARDIS 2011, P2P-RDM 2011, ICDM'11, DAWAK 2011, ENERGY 2011, RSFDGrC-2011, ICDM 2012, UCC2012, HPC 2012, ISPDC 2012, VecPar 2012, EuroPar 2012, ICDM 2012, ACRI'12, CloudCom2012, ISPA 2012, Euro-Par 2013, Euro-Par 2014, HPCS 2013, HPCS 2014, CCGRID 2014, CLOSER 2014, DaWak 2013, IEEE

CloudCom 2013, HPP-DM 2013, PPAM 2013, PDP 2013, ISPDC 2013, DaWak 2014, ParCo 2013, Data Mining 2013, IEEE Big data 2013, ACRI 2014, C4Bio 2014, ExtremeGreen 2014, KEOD 2014, Data Mining 2014, EMSICC 2014, JSR 2014, AMT'14, IC3K 2014, SCoDiS-LaSCoG'2014, Euro-Par 2015, PARCO 2015, ECML-PKDD 2015, Euro-Par 2016, PDP 2016, Euro-Par 2017, PDP 2017, BIG DATA 2017, CLOUD 2018, Euro-Par 2018, ICUIA19, CCGRID 2019, mF2C 2019, BigDataService 2019, PDP 2019, Big Data Congress 2019, ICNSC2019, HPBench 2019, ParCo 2019, PPAM 2019, Euro-Par 2019, eScience 2019, PDDM 2019, AIIA 2019, ICAIT2019, ICCCBAD 2019.

Tutorials

PARALLEL PROGRAMMING LANGUAGES
Int. Workshop on Parallel Processing and its Applications in Physics, Chemistry and Material Science
Trieste, Italy, 5-23 September 1994.

PARALLEL PROGRAMMING LANGUAGES
IEEE First Int. Conference on Algorithms and Architectures for Parallel Processing (ICA3PP-95)
Brisbane, Australia, 19-21 April 1995.

RECENT ADVANCES IN PARALLEL PROGRAMMING TOOLS AND LANGUAGES
2nd Int. Conference on Parallel and Distributed Computing and Networking - PDCN'98
Brisbane, Australia, 14-16 December 1998.

MODELS, LANGUAGES AND TRENDS IN PARALLEL PROGRAMMING
12th Int. Conference on Parallel and Distributed Computing Systems - PDCS 2000
Las Vegas, USA, 6-9 November 2000.

PARALLEL AND DISTRIBUTED DATA MINING
Int. Parallel and Distributed Processing Symposium - IPDPS 2001
San Francisco, USA, 23-27 April 2001. (with Mohammed J. Zaki)

PARALLEL AND DISTRIBUTED DATA MINING
European Conference on Parallel Computing - EuroPar 2001
Manchester, UK, 28-31 August 2001. (with Mohammed J. Zaki)

HIGH PERFORMANCE DATA MINING AND KNOWLEDGE DISCOVERY
European Conference on Parallel Computing - EuroPar 2002
Paderborn, Germany, 27-30 August 2002.

Invited Talks

CAMEL: A Parallel Tool for Computational Science
Int. Workshop on Parallel Processing and its Applications in Physics, Chemistry and Material Science
Trieste, Italy, 5-23 September 1994.

A Parallel Cellular Automata Environment for Modeling and Simulation
COSMASE Course on Parallel Network Applications: Cellular Automata Modeling of Physical Systems
Geneva, Swiss, 26 February-1 March 1996.

Languages and Models for Parallel and Distributed Computing
Congreso Nacional de Sistemas Computacionales y Eletronicos - CNSCE'98
Cuernavaca, Mexico, 29-31 October 1998.

Language Constructs and Run-time System for Parallel Cellular Programming
Parallel and Distributed Computing Week, Griffith University
Brisbane, Australia, 14-16 December 1998.

High-Level Programming for Parallel Cellular Computations
Dagstuhl Seminar on High-Level Parallel Programming: Applicability, Analysis and Performance
Dagstuhl, Germany, 26-30 April 1999.

Parallel Cellular Environments to Enable Scientists to Solve Complex Problems
European Research Conference on Advanced Environments and Tools for High Performance Computing
San Feliu de Guixols, Spain, 12-17 June 1999.

Recent Advances in Parallel Programming Languages and Tools
IEEE/IMACS WORLD MULTICONFERENCE on Circuits, Systems, Communications & Computers-CSCC'99 (Plenary Lecture)
Athens, Grecee, 4-7 July 1999.

Experiences with High-Level Programming Tools for Parallel Cellular Computations
ACCS Seminar on Cellular Automata Modelling of Natural Phenomena, University of Amsterdam
Amsterdam, The Netherlands, 15 December 1999.

Seeking Parallelism in Data Mining Techniques
3rd IPDPS Workshop on High Performance Data Mining 2000
Cancun, Mexico, 5 May, 2000.

Cellular Computing for Developing Emergent Systems on Parallel Architectures
Workshop on Strategies for Implementating Large Scale Emergent Systems
Cardiff, UK, 22-23 June, 2000.

Using SVD for Data Mining of High Dimensional Data Sets
2nd Workshop on Mining Scientific Datasets
AHPCRC, Minneapolis, USA, 20-21 July, 2000.

Parallel and Distributed Knowledge Discovery on the Grid: A Reference Architecture
High Performance Data Management session at the
4th International Conference on Algorithms and Architectures for Parallel Computing (ICA3PP)
Hong Kong, China, 11-13 December, 2000.

Knowledge Discovery and Data Mining in Grid-based Distributed Environments
Dagstuhl Seminar on Management of Metacomputers
Dagstuhl, Germany, 10-15 June, 2001.

The Knowledge Grid : Distributed Knowledge Discovery on the Grid
Industrial Grid Summit 2001
Paris, France, 27-29 June, 2001.

Tools and Services for Distributed Knowledge Discovery on Grids
Workshop HPC 2002
Cetraro, Italy, 24-27 June, 2002.

Distributed Knowledge Discovery on Grids
Informatics Colloqium
University of Klagenfurt, Austria, 2 May, 2003.

Knowledge Discovery Tools for Data Intensive Problem Solving Environments on Grids
EURESCO conference on Advanced Environments and Tools for High Performance
Computing
Albufeira, Portugal, 14-19 June, 2003. Lecture slides are here

Grid-based Data Mining and the Knowledge Grid Framework
Workshop on Data Mining and Exploration Middleware for Distributed and Grid
Computing
University of Minnesota Supercomputing Institute, Minneapolis, USA, 18-19 September,
2003.

Parallel and Distributed Data Mining: from Multicomputers to Grids
EMCL-PKDD'03 Workshop on Parallel and Distributed Computing for Machine Learning
Cavtat-Dubrovnik, Croatia, 22-26 September, 2003.

Knowledge Discovery Services and Tools on Grids
Symposium ISMIS 2003
Maebashi City, Japan, 28-31 October 2003.

Peer-to-Peer Protocols and Grid Services for Resource Discovery on Grids
Advanced Research Workshop HPC 2004
Cetraro, Italy, 31 May - 3 June 2004.

Using Grids for Distributed Knowledge Discovery
Mathematical Methods for Learning 2004
Como, Italy, 21-24 June 2004.

Knowledge-Based Services for Grid Applications
Future Generation Grids - FGG 2004
Dagstuhl, Germany, 1-5 November 2004.

Designing Grid Services for Distributed Knowledge Discovery
The 2005 International Conference on High Performance Computing and
Communications (HPCC-05) Sorrento, Italy, 21-23 September 2005.

Grid-based Distributed Data Mining Systems, Algorithms and Services
HPDM 2006: 9th International Workshop on High Performance and Distributed Mining
Bethesda, MD, USA, 22 April 2006.

Data Integration in OGSA Grids for Distributed Information Sharing
International Advanced Research Workshop HPC 2006
Cetraro, CS, Italy, 3-6 July 2006.

Using Grids for Exploiting Data Abundance in Science
15th Euromicro International Conference on Parallel, Distributed and Network-based
Processing - PDP 2007
Naples, Italy, february 7-9 2007.

From Parallel Data Mining to Grid enabled Distributed Knowledge Discovery

Joint Rough Set Symposium 2007 - JRS07
Toronto, Canada, 14-16 May 2007.

Knowledge and Data Management in Grids
CoreGRID Summer School 2007
Budapest, Hungary, 3-7 September 2007.

Grid-based Data Mining: Services for Data Analysis Applications
BioinfoGRID 2007
Milan, Italy, 10-12 December 2007.

e-Science e GRID: Le attività di Ricerca del progetto "Grid e HPC" del CNR
Conferenza Nazionale Italian e-Science 2008
Naples, Italy, 27-29 May 2008.

Using Peer-to-Peer Dynamic Querying in Grid information Services
International Advanced Research Workshop on HPC and Grids 2008
Cetraro, Italy, 30 June-04 July 2008.

P2P-MapReduce:Implementing MapReduce in Dynamic Environments (also handling master failures)
Google EMEA Faculty Summit
Zurich, Switzerland, 10-12 February 2009.

Distributed Knowledge Discovery Services in Grids
College of Mathematics and Computer Science, Fuzhou University
Fuzhou, China, 11 June 2009.

Data Mining and Knowledge Discovery Services in Grids
Crakow'09 Grid Workshop
Crakow, Poland, 12-14 October 2009.

Data Mining in Distributed Computing Environments
Scuola della Società Italiana di Statistica
San Leucio - Caserta, Italy, 30 November - 3 December 2009.

Towards an Open Service Framework for Cloud-based Knowledge Discovery
Cloud Futures 2010 Workshop
Redmond, USA, 8-9 April 2010.

Services and Workflows for Knowledge Discovery
Workshop on HPC, Grids and Clouds
Cetraro, Italy, 21-25 June 2010.

Distributed Knowledge Discovery Services in Grids and Clouds
International Conference on Computing and Simulation (HPCS) 2010
Caen, France, June 28-July 2, 2010.

Distributed KDD: Using Services and Tools for Designing Complex Applications
1st Int. Maghrebian Conference on the Extraction and Management of Knowledge
Algiers, Algeria, December 13-14, 2010.

Service-Oriented Data Mining in Grids and Clouds
1st IEEE ICSDM Conference

Fuzhou, P.R. China, June 29-July 1, 2011.

Cloud Computing e Agenti Software: Sfide e Opportunita'
Workshop Nazionale "dagli Oggetti agli Agenti" - WOA 2011
Rende, Italy, July 4-6, 2011.

Knowledge Discovery Applications as Distributed Workflows of Services
European Conference on Data Mining 2011
Rome, Italy, July 24-26, 2011.

Data Analysis Services on Clouds and Other Research Directions
EIURA Forum on Cloud Computing 2011
Dublin, Ireland, September 30, 2011.

Data Analytics e Knowledge Management su Cloud per la sanita'
Convegno Cloud Computing per la Sanita' Digitale - Ulss Asolo
Castelfranco Veneto, Italy, October 18, 2011.

A Cloud Framework for Knowledge Discovery Workflows on Azure
HPC 2012, An International Advanced Workshop
Cetraro, Italy, June 25-29, 2012.

Using Clouds for Scalable Knowledge Discovery Applications
3rd International Workshop on High Performance Bioinformatics and Biomedicine
(HiBB), Euro-Par 2012
Rodhes, Greece, August 28, 2012.

Data Analysis Services on Clouds and Other Research Activities
ICLASS Conference 2012, Cloud Assisted ServiceS
Bled, Slovenia, October 22-25, 2012.

Research and Technologies for Smart Cyties
Seminario Smart City, il nuovo modello di città del futuro promosso dall'Europa
Brussels, Belgium, November 29, 2012.

Scalable Data Analysis Workflows on Clouds
Dagstuhl Seminar on Parallel Data Analysis
Dagstuhl, Germany, June 16-21, 2013.

INMOTO - INformation and MObility for Tourism
Smart City Exibition
Bologna, Italy, October 16-18, 2013.

Programming Visual and Script-based Data Analytics Workflows on Clouds
HPC 2014, An International Advanced Workshop
Cetraro, Italy, June 2014.

Programming Big Data Analysis on Clouds and Extreme Scale Systems
HPC 2016, An International Advanced Workshop
Cetraro, Italy, June 2016.

Designing Scalable Big Data Analysis on Clouds
TopHPC2017, International Congress
Teheran, Iran, April 2017.

On the Use of Cloud Computing for Big Data Mining
Int. Conference on Reliability, Infocom Technologies & Optimization (ICRITO 2017)
Noida, India, September 2017.

Exploiting Cloud Solutions for Big Data Analysis
3rd IEEE International Conference on Cloud Computing and Big Data Analysis
Chengdu, China, April 2018.

Data Analysis on Parallel, Distributed and Cloud Systems
Geographical Big Data Analysis and Applications International Summer School
Fuzhou, China, July 2018.

Programming Models for Scalable Data Analysis: Towards Smart Data on Exascale
15th Int. Conference on Semantics, Knowledge and Grids
Guangzhou, China, September 2019.

Courses Taught
1997-98
>   Operating Systems, Faculty of Engineering, University of Calabria.

1998-99
>   Foundations of Computer Science, Faculty of Engineering, University of Calabria.

1999-2000
>   Foundations of Computer Science, Faculty of Engineering, University of Calabria.

2000-2001
>   Introduction to Computer Science, Faculty of Engineering, University of Calabria.
>   Foundations of Computer Science, Faculty of Engineering, University of Calabria.
>   Databases and Information Systems, Faculty of Sciences, Univ. of Naples Federico II.

2001-2002
>   Introduction to Computer Science, Faculty of Engineering, University of Calabria.
>   Foundations of Computer Science, Faculty of Engineering, University of Calabria.
>   Operating Systems, Faculty of Engineering, University of Calabria.

2002-2003
>   Introduction to Computer Science, Faculty of Engineering, University of Calabria.
>   Foundations of Computer Science, Faculty of Engineering, University of Calabria.
>   Operating Systems, Faculty of Engineering, University of Calabria.
>   Computer Networks, Faculty of Engineering, University of Calabria.

2003-2004
>   Distributed Systems, Faculty of Engineering, University of Calabria.
>   Foundations of Computer Science, Faculty of Engineering, University of Calabria. Grids
>   and Ubiquitous Computing System, Faculty of Engineering, University of Calabria.
>   Operating Systems, Faculty of Engineering, University of Calabria.

2004-2005
>   Distributed Systems, Faculty of Engineering, University of Calabria.
>   Foundations of Computer Science, Faculty of Engineering, University of Calabria.
>   Operating Systems, Faculty of Engineering, University of Calabria.

2005-2006
>   Distributed Systems, Faculty of Engineering, University of Calabria.
>   Foundations of Computer Science, Faculty of Engineering, University of Calabria. Grids
>   and Ubiquitous Computing System, Faculty of Engineering, University of Calabria.
>   Operating Systems, Faculty of Engineering, University of Calabria.

2006-2007
>   Distributed Systems, Faculty of Engineering, University of Calabria.

Foundations of Computer Science, Faculty of Engineering, University of Calabria. Grids and Ubiquitous Computing System, Faculty of Engineering, University of Calabria. Operating Systems, Faculty of Engineering, University of Calabria.

2007-2008
Distributed Systems, Faculty of Engineering, University of Calabria.
Foundations of Computer Science, Faculty of Engineering, University of Calabria. Grids and Ubiquitous Computing System, Faculty of Engineering, University of Calabria. Operating Systems, Faculty of Engineering, University of Calabria.

2008-2009
Distributed Systems, Faculty of Engineering, University of Calabria.
Grids and Ubiquitous Computing System, Faculty of Engineering, University of Calabria.

2009-2010
Grids and Ubiquitous Computing System, Faculty of Engineering, University of Calabria.

2010-2011
Distributed Systems, Faculty of Engineering, University of Calabria.

2011-2012
Distributed Systems, Faculty of Engineering, University of Calabria.

2012-2013
Distributed Systems, Faculty of Engineering, University of Calabria.

2013-2014
Distributed Systems, DIMES, University of Calabria.

2014-2015
Operating Systems, DIMES, University of Calabria.
Distributed Systems, DIMES, University of Calabria.

2015-2016
Operating Systems, DIMES, University of Calabria.
Distributed Systems, DIMES, University of Calabria.

2016-2017
Operating Systems, DIMES, University of Calabria.
Distributed Systems, DIMES, University of Calabria.

2017-2018
Operating Systems, DIMES, University of Calabria.
Distributed Systems, DIMES, University of Calabria.
Advanced Architectures and System for Data Management, DICES, University of Calabria.

2018-2019
Operating Systems, DIMES, University of Calabria.
Distributed Systems and Cloud Computing, DIMES, University of Calabria.
Advanced Architectures and System for Data Management, DICES, University of Calabria.

2019-2020
Operating Systems, DIMES, University of Calabria.
Distributed Systems and Cloud Computing, DIMES, University of Calabria.
Advanced Architectures and System for Data Management, DICES, University of Calabria.

Advised PhDs

Paolo Trunfio, University of Calabria, 2004.

Antonio Congiusta, University of Calabria, 2006.

Carmela Comito, University of Calabria, 2006.

Pasquale Cozza, University of Calabria, 2007.

Giuseppe Pirrò, University of Calabria, 2009.

Marco Lackovic, University of Calabria, 2011.

Francesco Damore, University of Calabria, 2012.

Deborah Falcone, University of Calabria, 2014.

Loris Belcastro, University of Calabria, 2017.

Francesco Branda, University of Calabria, 2019.

Annexure-I

Publications of Domenico Talia[1]

Books

1. D. Talia, *Big Data and the Computable Society*, World Scientific Press, 2019.
2. D. Talia, P. Trunfio, F. Marozzo, *Data Analysis in the Cloud*, Elsevier, 2015.
3. D. Talia, P. Trunfio, *Service-oriented distributed knowledge discovery*, CRC Press, USA, 2012.
4. P. D'Ambra, M. Guarracino, D. Talia (eds), *Proceedings of Euro-Par 2010*, Part I and Part II, Springer, 2010.
5. D. Talia, N. Meyer, R. Yahyapour (eds.) *Grid and Services Evolution*, Springer, USA, 2009.
6. D. Talia, R. Yahyapour, W. Ziegler (eds.), *Grid Middleware and Services: Challenges and Solutions*, Springer, USA, 2008.
7. D. Talia, A. Bilas, M. Dikaiakos (eds.), *Knowledge and Data Management in Grids*, Springer, USA, 2007.
8. N. Zhong, J. Bradshaw, S. Pal, D. Talia, J. Liu, N. Cercone (eds.), *Proceedings of the IEEE/WIC/ACM International Conference on Intelligent Agent Technology*, IEEE Computer Society, USA, 2004.
9. G. Spezzano and D. Talia, *Calcolo Parallelo, Automi Cellulari e Modelli per Sistemi Complessi*, FrancoAngeli, Milan, 1999.
10. D.B. Skillicorn and D. Talia (eds.), *Programming Languages for Parallel Processing*, IEEE Computer Society Press, Los Alamitos, CA, 1994.
11. M. Cannataro, G. Spezzano, and D. Talia, *Programmazione Logica e Architetture Parallele*, FrancoAngeli, Milan, 1993.

Publications in Refereed Journals

12. D. Talia, "A view of programming scalable data analysis: from clouds to exascale", Journal of Cloud Computing, vol. 8, no. 4, pp. 1-16, 2019.
13. L. Belcastro, F. Marozzo, D. Talia, "Programming Models and Systems for Big Data Analysis". International Journal of Parallel, Emergent and Distributed Systems, vol. 34, pp. 632-652, 2019.
14. L. Belcastro, F. Marozzo, D. Talia, P. Trunfio, "ParSoDA: High-Level Parallel Programming for Social Data Mining". Social Network Analysis and Mining, vol. 9, n. 1, 2019.
15. L. Belcastro, F. Marozzo, D. Talia, P. Trunfio, "G-RoI: Automatic Region-of-Interest detection driven by geotagged social media data". ACM Transactions on Knowledge Discovery from Data, vol. 12, n. 3, pp. 27:1-27:22, January 2018.
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