

Curriculum Vitæ et Studiorum

Dr. Giuseppe Tradigo, Ph.D.

Postdoc at DIMES, Dept. of Computer Science, Modeling, Electronics and Systems Engineering
University of Calabria – Italy

1 Professional experience

Sep 2018 – Dec 2018 Research contract, University of Catanzaro, project on epidemiological data analysis with geographic information systems and geographical oriented algorithms

June 2016 – Aug 2018 Postdoc at DIMES, Department of Computer Science, Modeling, Electronics and Systems Engineering, University of Calabria, project: “PON BA2Know - Business Analytics to Knowledge”, advisor Prof. Sergio Greco.

May 2016 - Nov 2016 Visiting Research Fellow at Epidemiology Department, University of Florida, project: Endotype discovery in prostate cancer and multi-domain analysis of age-related comorbidities, advisor Prof. Mattia Prospero.

Feb 2014 - May 2016 Postdoc at DIMES, Department of Computer Science, Modeling, Electronics and Systems Engineering, University of Calabria, project: “PRIN 2010 Data-Centric Genomic Computing (GenData 2020)”, advisor Prof. Sergio Greco.

Oct 2013 - Jun 2014 Research & Development Director at South Ventures Inc., a Silicon Valley startup, where he was responsible for the company’s innovation. He wrote projects and won European Community grants, worth 300K euros, to build the Analytics system of the Soundtracker geo location-based radio service and coordinated the research, planning and implementation phases of the project.

Sep 2013 In collaboration with ICS S.r.l., a company offering technical and professional consultancy in renewable energy, environmental technology and engineering, he cured and taught a course on “The use of drones in emergency for the management of fires and the control of territory” at the Consortium for Land and Water Sanitation for the Basins of Tirreno Cosentino, Praia a Mare, IT.

Aug 2012 - Dic 2013 Postdoc at DIMES, Department of Computer Science, Modeling, Electronics and Systems Engineering, University of Calabria, IT, with a grant from the European project PON01 02833 CARDIOTECH, project “Modelling and Integration of Biological and Clinical Data to support decisional processes in cardiology”, advisor Prof. Sergio Greco.

Mar 2009 - Feb 2012 Ph.D. in Biomedic and Informatic Engineering, thesis: “Information extraction from Biological and Clinical Data: Algorithms and Systems”, University Magna Græcia of Catanzaro, IT, advisor Prof. Pierangelo Veltri.

Sep 8-16 2010 summer school “International School of Mathematics Optimization, Machine Learning and Bioinformatics”, Erice, IT.

Sep 7-18 2009 summer school “GII Doctoral School on Advances in Databases”, Cetraro, IT.

2008 Master Degree in Computer Science and Clinical Systems at University Magna Græcia of Catanzaro, IT, thesis: “GeoMedica: Progettazione, Implementazione e Sperimentazione di un Sistema Cartografico per il Monitoraggio Epidemiologico del Territorio”.

Jun 2004 - Jan 2005 contract at the ICAR-CNR, Institute for High Performance Computing and Networking - National Research Council, Rende, IT, project about computational Grid environments.

since 2003 participated in many research activities and projects within the Bioinformatics Laboratory at University Magna Græcia of Catanzaro, advisors Proff. Mario Cannataro and Pierangelo Veltri. During this long training phase he participated to workshops, conferences, research days, seminars and collaborated with different clinical and biological research groups.

Jan - Sept 2000 contract at the IRPI-CNR, Institute for Research and Hydrogeological Protection - National Research Council, Rende, IT, project about remote sensing and environmental data.

1.1 Education abroad

May 2016 - Nov 2016 Visiting Research Fellow at Epidemiology Department, University of Florida, advisor Prof. Mattia Prospero.

Oct 2009 - Dec 2010 visiting Ph.D. student at UCD, University College Dublin in the AmMBio, Adaptive Modelling for Molecular Biology Lab., supervisor Prof. Gianluca Pollastri.

1.2 Scientific projects

May 2016 - Nov 2016 he worked on a project on Prostate Cancer where co-morbidity network models are created from a large database of phenotypical and genotypical features with GWAS (Genome-Wide Association Study) analysis. He has also submitted grants, both to NFS (National Science Foundation) and NIH (National Institutes of Health) calls, for the study of particular DNA/RNA foldings, called G-quadruplexes, which are promising binding sites for drugs and can act as molecular devices to inhibit genes related to known pathologies [79, 92].

Feb 2014 - May 2016 he participated to the European project *PRIN Data-Centric Genomic Computing (GenData 2020)* where he designed and implemented a predictor for G-Quadruplex DNA/RNA structures [92].

Apr 19th 2013 invited lecture at the Ph.D. Course in Medicinal Chemistry by Prof. Stefano Alcaro¹ with a talk entitled “Machine Learning approaches for contact maps prediction in CASP experiment” on the protein folding problem with the use of protein contact maps predicted with machine learning models [57, 58, 14, 75, 59, 52, 54, 90, 55, 91, 60, 49].

Aug 2012 - Dic 2013 he participated to the European project *PON01_02833 CARDIOTECH*, on the research activity “Modeling and Integration of Biological and Clinical Data to support decisional processes in cardiology” where he designed and implemented a software system able to acquire and perform differential blood pressure signal analysis in the hemodynamics surgery room [25, 98, 35, 96].

Oct 2009 - Dec 2010 he participated to the IX and X International CASP (Critical Assessment of protein Structure Prediction) competitions in 2010 and 2012, with a joint project between the AmMBio Lab at University College Dublin, leaded by Prof. Gianluca Pollastri, and the Bioinformatics Lab at University of Catanzaro. The XXStout system is an ensemble of 2D recursive neural network models trained to predict multi-class protein contact maps In particular he investigated on the use of Carbon- α , Carbon- β , 2- and 4-classes contact maps and the use of distance maps to improve three-d protein structure prediction for both template-based and ab-initio proteins. The proposed system has been presented at the CASP9 international conference held in Asilomar, Pacific Grove, California in December 2010. The XXStout server ranked third among the 32 participating ab initio servers in CASP 2010. The same server scored first among the native predictors in CASP 2012 [58, 57, 75, 52, 59, 90, 55, 49].

May - Sept 2008 he designed and implemented a geographic information system for clinical data called GeoMedica [77, 88, 89, 7, 8], which helps physicians with the discovery of correlations among data (e.g. clinical warehouse) and locations (e.g. polluting sites, radio sources, coast lines).

¹<http://www.farmacia.unicz.it/dottorato/index.php?target=0>

June - Aug 2008 he participated to the *MESSIAH (methodologies, tools and services for underwater archeology)* project at University of Catanzaro, IT, Dept. of Experimental and Clinical Medicine, under the supervision of Prof. G. Cuda.

May 2006 - Jan 2008 he participated to the *LOGICA* research project, at University of Catanzaro, IT, Dept. of Science and History of Law, where he designed and implemented a software prototype for continuous sensor data streams as a component of a broader system for the management of the Gioia Tauro commercial harbor.

Jan 2007 to date he participated to a scientific collaboration under the supervision of Prof. C. Indolfi, Director of the Hemodynamics Dept. at University of Catanzaro, IT, where he designed and implemented a software tool for the pre-implant stent deployment analysis, supporting angioplastic surgery procedures [28, 48]. The system is currently in use in the surgery room of the hemodynamics department.

Jan - May 2006 he participated to the *P2P-CKMS-SSDM (collaborative models and technologies supporting distributed clinical systems)* project, funded by POR European funds, at Univ. of Catanzaro, IT, Dept. of Medicine and Clinical Medicine. He participated to the design and implementation of *SIGMCC*, a peer-to-peer technology-based software system enabling information exchange among oncology departments [30].

May - Dec 2005 he participated to the *FIRB (enabling software platforms for high performance grid computing)* project, where he designed and implemented a tool for managing sensor data streams in computational grid environments on the Globus platform.

Feb - Jul 2004 he participated to the *COFIN* project, working on the design and implementation of MS-Analyzer, a software tool for mass spectrometry data pre-processing[4, 20, 21, 19, 16, 95, 14, 40, 42, 43].

Jun 2004 - Jan 2005 contract at the ICAR-CNR, Institute for High Performance Computing and Networking - National Research Council, Rende IT. He contributed to the definition and implementation of modules in a Globus-based software prototype for grid computing and sensor data streams.

Nov 2003 - Jun 2004 he designed and implemented a web-based document management system and a GIS-based module, implementating a workflow for the elaboration of land data, for the Authority for River Basins, Calabria Region, IT.

Jan - Sept 2000 contract at the IRPI-CNR, Institute for Research and Hydrogeological Protection - National Research Council, Rende, IT, in a project about the development of a web-based software for remote sensing and environmental data management for acquiring, processing and rendering sensor data, from a distributed GSM/satellite sensor network, remotely monitoring landslide fronts on the territory.

1.3 Scientific membership and service

- Tutorials Chair for ACM-BCB 2017, Conference on Bioinformatics, Computational Biology and Health Informatics, Boston, MA, USA.
- Program Committee member of the ACM BCB 2017, Conference on Bioinformatics, Computational Biology and Health Informatics for the track “Application to Healthcare Processes”, Boston, MA, USA.
- Chair for BioNet 2017, International Workshop on Algorithms, Tools and new Frontiers on the use of Networks in Biology and Clinical Science, in conjunction with FNC 2017, Conference on Future Networks and Communications, Leuven, Belgium.
- Program Committee member of the IEEE RTSI 2017, International Conference on Research and Technologies for Society and Industry, Modena, Italy.
- Member of the Italian Scientific Society of Biomedical Informatics (SIBIM, Società Scientifica Italiana di Informatica Biomedica).

1.4 Reviews for Peer-reviewed journals and conference proceedings

A partial list of international journals and conferences follows: Journal of Computational Science, Information Sciences Journal, IEEE Transactions on Knowledge and Data Engineering Journal, High Performance Bioinformatics and Biomedicine (2010 conference), IEEE International Workshop on Medical Measurements and Applications (2009 workshop), Biomedical Signal Processing and Control journal, XML Data Mining: Models, Methods, and Applications book. Program Committee Member of the ACM HealthGIS 2013 conference.

2 Teaching activities

Since 2003 to date he has been teaching courses in the School of Computer and Biomedical Science, the School of Medicine and Surgery, the School of Services Organization for the Public Administration and in the School of Law.

- Academic year 2016-2017 Teaching at School of Medicine and Surgery, Univ. of Catanzaro
Computer Programming (6 university credits , 48 hours)
- Academic year 2015-2016 Teaching at School of Medicine and Surgery, Univ. of Catanzaro
Computer Programming (6 university credits , 48 hours)
- Academic year 2010-2011 Teaching at School of Medicine and Surgery, Univ. of Catanzaro
Computer Science and Systems for the Elaboration of Information (3 university credits , 24 hours)
- Academic year 2008-2009 Teaching at School of Medicine and Surgery, Diagnostic techniques, Univ. of Catanzaro
Computer Science and Systems for the Elaboration of Information (3 university credits , 24 hours)
- Academic year 2008-2009 Teaching at School of Medicine and Surgery, Nursing sciences, Univ. of Catanzaro
Systems for the Elaboration of Information (2 university credits , 16 hours)
- Academic year 2007-2008 Teaching at School of Medicine and Surgery, Nursing sciences, Univ. of Catanzaro
Systems for the Elaboration of Information (2 university credits , 16 hours)
- Academic year 2010-2011 Teaching assistant at School of Computer and Biomedical Science, Univ. of Catanzaro
Programming (3 university credits , 24 hours)
- Academic year 2008-2009 Teaching assistant at School of Computer and Biomedical Science, Univ. of Catanzaro
Software Engineering (5 university credits , 40 hours)
- Academic year 2008-2009 Teaching assistant at School of Service Organization for Public Administration, Univ. of Catanzaro
Computer Science and Systems for the Elaboration of Information (5 university credits , 40 hours)
- Academic year 2007-2008 Teaching assistant at School of Service Organization for Public Administration, Univ. of Catanzaro
Systems for the Elaboration of Information (5 university credits , 40 hours)
- Academic year 2006-2007 Teaching assistant at School of Service Organization for Public Administration, Univ. of Catanzaro
Systems for the Elaboration of Information (5 university credits , 40 hours)

- Academic year 2006-2007 Teaching assistant at School of Computer and Biomedical Science, Univ. of Catanzaro
Advanced Tools for Databases (8 university credits)
- Academic year 2005-2006 Teaching assistant at School of Computer and Biomedical Science, Univ. of Catanzaro
Informative Systems for Biomedical
- Academic year 2005-2006 Teaching assistant at School of Computer and Biomedical Science, Univ. of Catanzaro
Databases
- Academic year 2004-2005 Teaching assistant at School of Computer and Biomedical Science, Univ. of Catanzaro
Software Engineering
- Academic year 2003-2004 Teaching assistant at School of Medicine and Surgery, Nursing sciences, Univ. of Catanzaro
Computer Science and Systems for the Elaboration of Information, (25 hours)

2.1 Other teaching activities

- April-May 2007 Teaching at the Master course “Pilot”, University of Calabria, IT
Web Programming Environments (12 hours)
- January-March 2006 Teaching at Gesan S.r.l., Caserta, IT, a software company implementing Health Information Systems
Java Enterprise specification (J2EE), Enterprise Java Beans, Struts (24 hours)
- Academic year 2004-2005 Teaching for a professionalizing course in a joint project between University of Catanzaro and Institute IPSIA “Galileo Ferraris“, Catanzaro, IT
Cryptography and Network Security (30 hours)

3 Papers published in journals and conference proceedings

3.1 Journal papers

1. P. H. Guzzi, G. Tradigo, and P. Veltri. Using mirna-analyzer for the analysis of mirna data. *Microarrays*, 5(4):29, 2016
2. G. Canino, P. H. Guzzi, G. Tradigo, A. Zhang, and P. Veltri. On the analysis of diseases and their related geographical data. *IEEE Journal Of Biomedical And Health Informatics*, 21(1):228–237, October 2015
3. P. Vizza, A. Curcio, G. Tradigo, C. Indolfi, and P. Veltri. A framework for the atrial fibrillation prediction in electrophysiological studies. *Computer methods and programs in biomedicine*, 120(2):65–76, July 2015
4. P. Cinaglia, G. Tradigo, Guzzi P.H., and P. Veltri. Design and implementation of a telecardiology system for mobile devices. *Interdisciplinary Sciences: Computational Life Sciences*, 7(3):266–274, September 2015

5. P. Kukic, C. Mirabello, G. Tradigo, I. Walsh, P. Veltri, and G. Pollastri. Towards an accurate prediction of inter-residue distances in proteins using 2d recursive neural networks. *BMC Bioinformatics*, 15(6), 2014
6. P. Vizza, G. Tradigo, D. Messina, G. L. Cascini, and P. Veltri. Methodologies for the analysis and classification of pet neuroimages. *Network Modeling Analysis in Health Informatics and Bioinformatics*, 2(4):191–208, 2013
7. P. Vizza, G. Tradigo, G. L. Cascini, and P. Veltri. Autospet: An spm plugin to automatize neuroimages pet analysis. *Interdisciplinary Sciences: Computational Life Sciences*, 5:225–232, 2013
8. M. Cannataro, P. H. Guzzi, G. Tradigo, and P. Veltri. On the choice of centralized vs decentralized systems for epr in hospitals. *ACM SIGHIT Record*, 2(1):19, 2012
9. F. Gullo, G. Ponti, A. Tagarelli, G. Tradigo, and P. Veltri. A time series approach for clustering mass spectrometry data. *Journal of Computational Science*, 3(5):344–355, September 2012
10. P. H. Guzzi, M. T. Di Martino, G. Tradigo, P. Veltri, P. Tassone, P. Tagliaferri, and M. Cannataro. Automatic summarisation and annotation of microarray data. *Soft Computing - A Fusion of Foundations, Methodologies and Applications*, 15(8):1505–1512, 2011. Springer Verlag Springer Berlin / Heidelberg, <http://www.springerlink.com/content/t04373q7621722w1>
11. F. Amato, M. Cannataro, C. Cosentino, A. Garozzo, N. Lombardo, C. Manfredi, F. Montefusco, G. Tradigo, and P. Veltri. Early detection of voice diseases via a web-based system. *Biomedical Signal Processing and Control*, 4(3):206–211, 2009. Elsevier
12. L. Palopoli, S.E. Rombo, G. Terracina, G. Tradigo, and P. Veltri. Improving protein secondary structure predictions by prediction fusion. *Information Fusion*, 10(3):217–232, 2009. Elsevier
13. F. Gullo, G. Ponti, A. Tagarelli, G. Tradigo, and P. Veltri. Masda: A system for analyzing mass spectrometry data. *Computer Methods and Programs in Biomedicine*, 95(2-S1):S12–S21, August 2009. Elsevier
14. M. Cannataro, D. Talia, G. Tradigo, P. Trunfio, and P. Veltri. SIGMCC: A system for sharing meta patient records in a Peer-to-Peer environment. *Future Generation Computer Systems*, 24(3):222–234, March 2008. Elsevier
15. M. Cannataro, P.H. Guzzi, T. Mazza, G. Tradigo, and P. Veltri. Using ontologies for preprocessing, mining, and visualization spectra data on the grid. *Future Generation Computer Systems*, 23(1):55–60, 2007. Elsevier
16. P. Veltri, M. Cannataro, and G. Tradigo. Sharing mass spectrometry data in a grid-based distributed proteomics laboratory. *Information Processing and Management*, 43(3):577–591, 2007. Elsevier
17. M. Cannataro, G. Cuda, M. Gaspari, S. Greco, G. Tradigo, and P. Veltri. The eipeptidi tool: enhancing peptide discovery in icat-based lc-ms/ms experiments. *BMC Bioinformatics*, 8(1):255, July 2007. Biomed Central
18. M. Cannataro, A. Barla, R. Flor, G. Jurman, S. Merler, S. Paoli, G. Tradigo, P. Veltri, and C. Furlanello. A grid environment for high-throughput proteomics. *IEEE Transactions on Nanobioscience*, 6(2):117–123, 2007. IEEE
19. M. Cannataro, P. H. Guzzi, T. Mazza, G. Tradigo, and P. Veltri. Managing Ontologies for Grid Computing. *Multiagent and Grid Systems International Journal*, 2(1):29–44, 2006. IOS Press

3.2 Conference Proceedings

20. G. Agapito, B. Calabrese, P.H. Guzzi, G. Fragomeni, G. Tradigo, P. Veltri, and M. Cannataro. Parallel and cloud-based analysis of omics data: Modelling and simulation in medicine. In *25th Euromicro International Conference on Parallel, Distributed, and Network-Based Processing (PDP 2017)*, 2017
21. F. Cristiano, P. Veltri, M. Prosperi, and G. Tradigo. On the identification of long non-coding rnas from rna-seq. In *Bioinformatics and Biomedicine (BIBM), 2016 IEEE International Conference*, pages 1103–1106, 2016
22. G. Canino, Q. Suo, P. H. Guzzi, G. Tradigo, A. Zhang, and P. Veltri. Feature selection model for diagnosis, electronic medical records and geographical data correlation. In *7th ACM International Conference on Bioinformatics, Computational Biology, and Health Informatics*, pages 616–621. ACM, October 2016
23. G. Tradigo, F. Cristiano, S. Alcaro, S. Greco, G. Pollastri, P. Veltri, and M. Prosperi. G-quadruplex structure prediction and integration in the gendata2020 data model. In *7th ACM Conference on Bioinformatics, Computational Biology and Health Informatics*, pages 663–670, Seattle, October 2016. ACM
24. F. Milicchio, G. Tradigo, P. Veltri, and M. Prosperi. High-performance data structures for de novo assembly of genomes: cache oblivious generic programming. In *7th ACM Conference on Bioinformatics, Computational Biology and Health Informatics*, pages 657–662, Seattle, October 2016. ACM
25. M. Prosperi, A. Pironti, F. Incardona, G. Tradigo, and M. Zazzi. Predicting human-immunodeficiency virus rebound after therapy initiation/switch using genetic, laboratory, and clinical data. In *7th ACM Conference on Bioinformatics, Computational Biology and Health Informatics*, pages 611–615, Seattle, October 2016. ACM
26. G. Canino, P.H. Guzzi, M. Scarpino, G. Tradigo, and P. Veltri. Patient wellness: geoanalysis of biological and environmental data. In *SEBD*, June 2016
27. L. Federico, P. Franco, A. Minelli, A. Perri, L. Caroprese, R. Picarelli, G. Tradigo, E. Vocaturo, F. Dattola, F. Fortunato, P. Lambardi, S. Laurita, I. Pellegrino, A. Garro, A. Pugliese, A. Tagarelli, P. Veltri, and E. Zumpano. Sinne+: a software for the acquisition and analysis of open data in health and social area. In *SEBD*, June 2016
28. G. Tradigo, C. Pagliaro, G. Canino, P.H. Guzzi, and P. Veltri. Gis for the analysis and monitoring of environmental issues related to life quality. In *SEBD*, June 2015
29. G. Tradigo, B. Calabrese, M. Macri, E. Vocaturo, N. Lombardo, and P. Veltri. Voice signal features analysis and classification: looking for new diseases related parameters. In *6th ACM Conference on Bioinformatics, Computational Biology and Health Informatics*, pages 589–596, 2015
30. D. Mirarchi, P. Vizza, M. Cannataro, P. H. Guzzi, G. Tradigo, and P. Veltri. Ict solutions for health education model. In *Computer Based Medical Systems*, 2015
31. M. Macrí, A. Mastratise, D. Mirarchi, E. De Francesco, L. Granato, G. Tradigo, P. H. Guzzi, and P. Veltri. Lise: a personal booklet for health care annotation. In *IEEE Conference on Healthcare Informatics*, 2015
32. G. Canino, M. Cannataro, P.H. Guzzi, G. Tradigo, and P. Veltri. Geoanalysis of clinical diagnoses and biological analytes data. In *SEBD*, June 2014

33. G. Canino, P.H. Guzzi, G. Tradigo, A. Zhang, and P. Veltri. A system for geoanalysis of clinical and geographical data. In *ACM SIGSPATIAL HealthGIS*, November 2014
34. G. Tradigo, C. Pagliaro, G. Canino, F. Casalnuovo, C. Graziani, and P. Veltri. A model for the geographical analysis and monitoring of agricultural areas example and tests in south italian regions. In *ACM SIGSPATIAL HealthGIS*, November 2014
35. Giuseppe Tradigo, Claudia Veneziano, Sergio Greco, and Pierangelo Veltri. An architecture for integrating genetic and clinical data. In *International Conference on Computational Science*, volume 29, pages 1959–1969, Seattle, USA, October 2014. Elsevier
36. P. Cinaglia, M. Macri, B. Calabrese, P. Vizza, G. Tradigo, and P. Veltri. A system for ubiquitous distributed acquisition of voice alteration samples through a mobile application. In *ACM Conference on Bioinformatics, Computational Biology and Health Informatics*, 2014
37. G. Canino, M. Cannataro, P.H. Guzzi, G. Tradigo, and P. Veltri. Relating clinical diagnosis and biological analytes via emrs clustering. In IEEE Computer Society, editor, *International Conference on Healthcare Informatics*, September 2014
38. Giuseppe Tradigo, Laura Mannella, and Pierangelo Veltri. Assessment of g-quadruplex prediction tools. In *Computer Based Medical Systems*, 2014
39. Pietro Hiram Guzzi, Giuseppe Tradigo, Pierangelo Veltri, and Mario Cannataro. Studying mirna-mrna associations by using graphs. In *SEBD*, 2013
40. P. Vizza, G. Tradigo, A. Curcio, C. Indolfi, and P. Veltri. Intracavitary signal analysis for atrial fibrillation prediction. In *IEEE International Conference on Bioinformatics and Biomedicine*, 2012
41. G. Tradigo, P. Veltri, O. Marasco, G. Scozzafava, G. Parlato, and S. Greco. Studying neonatal tsh distribution by using gis. In *ACM HealthGIS*, 2012
42. G. Tradigo, P.H. Guzzi, P. Veltri, M. Cannataro, F. Casalnuovo, C. Graziani, F. Capuano, M. Pavia, C. Pileggi, F. Arrigoni, P. Sarnelli, and P. Turno. Health risk assessment of zoonotic infections agents through plant products in areas with high livestock pressure. In *ACM HealthGIS*, 2012
43. P. Cinaglia, G. Tradigo, and P. Veltri. A system for acquiring and management of ecg signals by using mobile devices: a support for first intervention in heart attacks. In *ACM Conference on Bioinformatics, Computational Biology and Health Informatics*, 2012
44. G. Tradigo, P. Veltri, and G. Pollastri. Machine learning approaches for contact maps prediction in casp9 experiment. In *SEBD Italian Symposium on Advanced Database Systems*, Maratea, Italy, June 2011
45. G. Tradigo, P. Veltri, and S. Greco. Geomedica: managing and querying clinical data distributions on geographical database systems. In *International Conference on Computational Science*, volume 1, pages 979 – 986, 2010
46. G. Tradigo, M. Cannataro, P. H. Guzzi, and P. Veltri. Geomedica: a web portal for managing and querying clinical and biological data. In *SEBD Italian Symposium on Advanced Database Systems*, Rimini, Italy, June 2010. (Demo)
47. F. Gullo, G. Ponti, A. Tagarelli, G. Tradigo, and P. Veltri. Hierarchical clustering of microarray data with probe-level uncertainty. In *IEEE Computer Based Medical Systems*, pages 1–6, Albuquerque, New Mexico, USA, August 2009. IEEE Computer Society

48. C. Indolfi, M. Cannataro, P. Veltri, and G. Tradigo. Cartesio: A software tool for pre-implant stent analyses. In *International Conference on Computational Science*, volume 5544 of *Lecture Notes in Computer Science*, pages 810–818, Baton Rouge, Louisiana, USA, 2009. Springer Berlin / Heidelberg
49. L. Miceli, L. Palopoli, S. Rombo, G. Terracina, G. Tradigo, and P. Veltri. Experimental evaluation of protein secondary structure predictors. In *International Conference on Computational Science*, volume 5544 of *Lecture Notes in Computer Science*, pages 848–857. Springer Berlin / Heidelberg, 2009
50. G. Tradigo. On the integration of protein contact map predictions. In *IEEE Computer Based Medical Systems*, pages 1–5, Albuquerque, New Mexico, USA, August 2009. IEEE Computer Society
51. G. Tradigo, M. Cannataro, P. Vetri, and F. Fera. StiMaRe: A software tool supporting visual Stimuli Definition and Analysis in Magnetic Resonance. In *IEEE Computer Based Medical Systems*, pages 1–5, Albuquerque, New Mexico, USA, August 2009. IEEE Computer Society
52. M. Cannataro, C. Indolfi, G. Tradigo, and P. Veltri. A device for stent designing in emodynamic surgery room. In *IEEE International Workshop on Medical Measurements and Applications*, pages 108–110, Cetraro, Italy, May 2009
53. M. Cannataro, M. T. Di Martino, P. H. Guzzi, P. Tassone, P. Tagliaferri, G. Tradigo, and P. Veltri. A tool for managing affymetrix binary files through the tigr tm4 suite. In *Microarray and Gene Expression Data Society*, September 2008
54. F. Gullo, G. Ponti, A. Tagarelli, G. Tradigo, and P. Veltri. Msptool: a versatile tool for mass spectrometry data preprocessing. In *IEEE Computer Based Medical Systems*, pages 209–214, Los Alamitos, CA, USA, 2008. IEEE Computer Society
55. F. Amato, M. Cannataro, C. Cosentino, F. Montefusco, G. Tradigo, P. Veltri, A. Garozzo, N. Lombardo, S. Greco, and C. Manfredi. A web-based system for the collection and analysis of spectra signals for early detection of voice alterations. In *ACM Symposium on Applied Computing, SAC '08*, pages 1405–1409, New York, NY, USA, 2008. ACM
56. M. Cannataro, M. T. Di Martino, P. H. Guzzi, G. Tradigo, P. Tagliaferri, P. Tassone, and P. Veltri. An extension of the tigr m4 suite to manage and visualize affymetrix binary files. In *International Meeting on Computational Intelligence Methods for Bioinformatics and Biostatistics*, 2008. special session "Computational Intelligence for Biological Data Visualization", Vietri sul Mare, Salerno (Italy) 3-4 October
57. M. Cannataro, P. H. Guzzi, G. Tradigo, and P. Veltri. A tool for the semiautomatic acquisition of the morphological data of blood vessel networks. In *International Symposium on Parallel and Distributed Processing with Applications*, pages 837–840, Sidney, Australia, December 2008
58. M. Cannataro, P. H. Guzzi, G. Tradigo, and P. Veltri. Scalable biomedical and bioinformatics applications. In *International ICST Conference on Scalable Information Systems, InfoScale '08*, pages 21:1–21:7, Bruxelles, Belgium, 2008. ICST (Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering)
59. F. Gullo, G. Ponti, A. Tagarelli, G. Tradigo, and P. Veltri. A time series based approach for classifying mass spectrometry data. In *IEEE Computer Based Medical Systems*, pages 412–420, 2007
60. P. Veltri, F. Amato, C. Cosentino, G. Tradigo, F. Montefusco, C. Manfredi, N. Lombardo, and A. Garozzo. Early detection of voice diseases via a web-based system. In *Models and Analysis of Vocal Emissions for Biomedical Applications*, 2007

61. M. Cannataro, G. Cuda, M. Gaspari, G. Tradigo, and P. Veltri. Protein Identification in ICAT-LC Mass Spectrometry Experiments Using Data Cross Validation. In *Bioinformatics Research and Development*, Berlin, Germany, March 2007
62. L. Palopoli, S. E. Rombo, G. Terracina, G. Tradigo, and P. Veltri. JSSPrediction: a Framework to Predict Protein Secondary Structures Using Integration. In *IEEE Computer Based Medical Systems*, pages 931–935, Los Alamitos, CA, USA, June 2006. IEEE Computer Society
63. L. Palopoli, S. E. Rombo, G. Terracina, G. Tradigo, and P. Veltri. Protein secondary structure prediction: How to improve accuracy by integration. In *Third International Meeting of Bioinformatics and Biostatistic*, volume Applied Artificial Intelligence, pages 579–586, Genova, Italy, August 2006
64. M. Cannataro, D. Talia, G. Tradigo, P. Trunfio, P. Veltri, and G. Zarola. A peer-to-peer infrastructure for sharing electronic patient records. In *High Performance Distributed Computing*, Paris, France, June 2006
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Catanzaro, IT, Feb, 20, 2019
Dr. Giuseppe Tradigo, Ph.D.