



UNIVERSITÀ DELLA CALABRIA

DIPARTIMENTO DI
INGEGNERIA INFORMATICA,
MODELLISTICA, ELETTRONICA
E SISTEMISTICA

DIMES

ACADEMIC CURRICULUM

of **Andrea Tagarelli**

May 15, 2020

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Contact Information and Personal Data

First/Family name: Andrea Tagarelli

Date of birth: April 27, 1976

Nationality: Italian

Position: Associate Professor of Computer Engineering

SSD: ING-INF/05

Affiliation: Università della Calabria,

[Dipartimento di Ingegneria Informatica, Modellistica, Elettronica e Sistemistica \(DIMES\)](#)

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Researcher unique identifier: 7004259889 (Scopus Id)

Google Scholar: <https://scholar.google.com/citations?user=vTRCvFYAAAAJ>

DBLP: <https://dblp.org/pers/hd/t/Tagarelli:Andrea>

Career

- Since December 28, 2017: Associate Professor of Computer Engineering, SSD ING-INF/05, University of Calabria.
- April 4, 2017: Italian national scientific qualification to Full Professor, SSD ING-INF/05, sector 09/H1 (ASN 2016, D.D. 1532/2016).
- December 3, 2013: Italian national scientific qualification to Associate Professor, SSD ING-INF/05, sector 09/H1 (ASN 2012, D.D. 222/2012).
- June 1, 2006 – December 27, 2017: Assistant Professor of Computer Engineering (SSD ING-INF/05), University of Calabria.
- February 3, 2006: Ph.D. degree in Systems Engineering and Computer Science, University of Calabria.
- December 11, 2001: Master degree in Computer Engineering, University of Calabria.



Visiting Positions

- May 2018: Visiting Professor at Department of Information Technology, Uppsala University, Sweden.
- June 2016: Visiting Professor at LIRMM, University of Montpellier 2, France.
- November 2015: Visiting Professor at LIRMM, University of Montpellier 2, France.
- November 2014: Visiting Professor at LIRMM, University of Montpellier 2, and La Maison des Sciences de l'Homme de Montpellier (MSH-M), France.
- March 2007 – September 2007: Visiting researcher at the Department of Computer Science & Engineering, University of Minnesota at Minneapolis, USA.

Department services (selection)

- Since 2019, Delegate of the Head of DIMES for the department promotion activities.
- Since 2014, Member of the Scientific Board of the Ph.D. Course in Information and Communication Technologies, University of Calabria, Italy.
- 2013-2014: Member of the Scientific Board of the Ph.D. Course in Information and Communication Engineering for Pervasive Intelligent Environments, University of Calabria, Italy.

Overview of Research, Teaching, and Third-Mission Activities

Prof. Tagarelli's research activities concern the study and development of models, methods and systems of management, analysis and learning from databases of different types (relational, semi-structured, textual, sequential), relating to various application domains, from social and information networks to health-care and bioinformatics. His research interests are in the fields of **knowledge discovery** and **data mining, machine learning, information retrieval, network and web science, artificial intelligence**. For an insight into research activities, please refer to the following sections of this document:

Section "Memberships in Editorial Board of peer-reviewed Journals"

Section "Organization of Scientific Meetings"

Section "Invited Talks of Scientific Meetings"

Section "Commissions of Trust"

Section "List of Scientific Publications"



Prof. Tagarelli's teaching activities are in the areas of knowledge discovery and data mining, machine learning, information retrieval, and data management. For details about teaching activities, please refer to the following sections of this document:

Section "Teaching Activities – Academic Courses"

Section "Supervision of Master and Phd Students"

Section "Examiner of Phd Candidates"

Section "Scientific Coordination of Research Fellows"

Prof. Tagarelli's third-mission activities have always been carried out with the primary intention of pursuing a profitable synergy with his research activities. In particular, involvement in research & development projects continuously represents a testbed for ideas and methods developed within scientific research environments and, conversely, the problems and challenges identified in research project activities represent a stimulus to explore new directions of research, possibly in an interdisciplinary way. Please refer to the following section of this document:

Section "Research Projects – Scientific Coordination (selection)"

Section "Spin-off"

Teaching Activities – Academic Courses

2019/20

- *Social Network and Media Analysis*, 2nd year "Laurea Magistrale" course in Computer Engineering, Dept. of Computer Engineering, Modeling, Electronics, and Systems Engineering (DIMES), University of Calabria.
- *Data Mining*, 2nd year "Laurea Magistrale" course in Statistics and Informatics for Decisions and Market Analysis, Dept. of Economics, Statistics and Finance, University of Calabria.
- *Data and Text Mining*, 2nd year "Laurea Magistrale" course in Digital Documents Management and Preservation, Dept. of Cultures, Education and Society, University of Calabria.
- *Big data analytics for IoT systems*, 2nd level "Master in Integratore e Gestore di Sistemi IoT – INTER-IoT", Dept. of Computer Engineering, Modeling, Electronics, and Systems Engineering (DIMES), University of Calabria.

2018/19

- *Extended Databases and Data Mining*, 2nd year "Laurea Magistrale" course in Computer Engineering, Dept. of Computer Engineering, Modeling, Electronics, and Systems Engineering (DIMES), University of Calabria.
- *Data Mining*, 2nd year "Laurea Magistrale" course in Statistics and Informatics for Decisions and Market Analysis, Dept. of Economics, Statistics and Finance, University of Calabria.



- *Data and Text Mining*, 2nd year "Laurea Magistrale" course in Digital Documents Management and Preservation, Dept. of Cultures, Education and Society, University of Calabria.
- *Big data analytics for IoT systems*, 2nd level "Master in Integratore e Gestore di Sistemi IoT – INTER-IoT", Dept. of Computer Engineering, Modeling, Electronics, and Systems Engineering (DIMES), University of Calabria.
- *Advanced Learning and Mining Problems in Big Graph Data* (12h, February 13-16, 2018), Ph.D. Course in Information and Communication Technologies, Dept. of Computer Engineering, Modeling, Electronics, and Systems Engineering (DIMES), University of Calabria.

2017/18

- *Extended Databases and Data Mining*, 2nd year "Laurea Magistrale" course in Computer Engineering, Dept. of Computer Engineering, Modeling, Electronics, and Systems Engineering (DIMES), University of Calabria.
- *Data Mining*, 2nd year "Laurea Magistrale" course in Statistics and Informatics for Decisions and Market Analysis, Dept. of Economics, Statistics and Finance, University of Calabria.
- *Data and Text Mining*, 2nd year "Laurea Magistrale" course in Digital Documents Management and Preservation, Dept. of Cultures, Education and Society, University of Calabria.
- *Information Network Analysis* (12h, April 3-7, 2017), Ph.D. Course in Information and Communication Technologies, Dept. of Computer Engineering, Modeling, Electronics, and Systems Engineering (DIMES), University of Calabria.

2016/17

- *Extended Databases and Data Mining*, 2nd year "Laurea Magistrale" course in Computer Engineering, Dept. of Computer Engineering, Modeling, Electronics, and Systems Engineering (DIMES), University of Calabria.
- *Introduction to Computer Science*, 1st year Laurea course in Nutritional Sciences, Dept. of Pharmacy, Health and Nutritional Sciences, University of Calabria.
- *Information Network Analysis* (12h, March 14-18, 2016), Ph.D. Course in Information and Communication Technologies, Dept. of Computer Engineering, Modeling, Electronics, and Systems Engineering (DIMES), University of Calabria.

2014/15, 2015/16

- *Databases and Knowledge Discovery*, 2nd year "Laurea Magistrale" course in Computer Engineering, Dept. of Computer Engineering, Modeling, Electronics, and Systems Engineering (DIMES), University of Calabria.
- *Introduction to Computer Science*, 1st year Laurea course in Nutritional Sciences, Dept. of Pharmacy, Health and Nutritional Sciences, University of Calabria.



2013/14

- *Databases and Knowledge Discovery*, 2nd year "Laurea Magistrale" course in Computer Engineering, Dept. of Computer Engineering, Modeling, Electronics, and Systems Engineering (DIMES), University of Calabria.
- *Programming Algorithms and Managing Data*, 2nd year Laurea course (DM 270) in Computer Engineering, Dept. of Computer Engineering, Modeling, Electronics, and Systems Engineering (DIMES), University of Calabria.
- *Introduction to Computer Science*, 1st year Laurea course in Nutritional Sciences, Dept. of Pharmacy, Health and Nutritional Sciences, University of Calabria.
- *Classical Approaches to Data Analysis*, 2nd year of the 5-year post-Laurea course in Clinical Pathology, Dept. of Pharmacy, Health and Nutritional Sciences, University of Calabria.

2011/12, 2012/13

- *Databases and Knowledge Discovery*, 2nd year "Laurea Magistrale" course in Computer Engineering, School of Engineering, University of Calabria.
- *Introduction to Computer Science*, 1st year Laurea course in Nutritional Sciences, School of Pharmacy, University of Calabria.
- *Classical Approaches to Data Analysis*, 2nd year of the 5-year post-Laurea course in Clinical Pathology, School of Pharmacy, University of Calabria.

2010/11

- *Introduction to Computer Science*, 1st year Laurea courses in Pharmacy, Chemistry and Pharmaceutical Technology, and Nutritional Sciences, School of Pharmacy, University of Calabria.
- *Classical Approaches to Data Analysis*, 2nd year of the 5-year post-Laurea course in Clinical Pathology, School of Pharmacy, University of Calabria.

2009/10

- *Programming Algorithms and Managing Data*, 2nd year Laurea course (DM 270) in Computer Engineering, School of Engineering, University of Calabria.
- *Data Mining and Knowledge Discovery in Biology and Medicine*, 2nd year of 2nd level Laurea course in Computer and Medical Systems Engineering, University Magna Graecia of Catanzaro.
- *Classical Approaches to Data Analysis*, 2nd year of the 5-year post-Laurea course in Clinical Pathology, School of Pharmacy, University of Calabria.
- *Mathematics (Calculus)*, 1st year of 1st level Laurea courses in Nutritional Sciences and in Environmental Toxicology, School of Pharmacy, University of Calabria.
- *Mathematics (Calculus)*, 1st year of 1st level Laurea courses in Scientific Drug Information and in Cosmetic Technology, School of Pharmacy, University of Calabria



2008/09

- *Data Mining and Knowledge Discovery in Biology and Medicine*, 2nd year of 2nd level Laurea course in Computer and Medical Systems Engineering, University Magna Graecia of Catanzaro.
- *Object Oriented Programming*, 1st year of Laurea course (DM 270) in Management Engineering, School of Engineering, University of Calabria.
- *Data and Text Mining*, 1st year of 2nd level Laurea course in Computer Science for Humanities, School of Letters and Philosophy, University of Calabria.
- *Classical Approaches to Data Analysis*, 2nd year of the 5-year post-Laurea course in Clinical Pathology, School of Pharmacy, University of Calabria.
- *Mathematics (Calculus)*, 1st year of 1st level Laurea courses in Nutritional Sciences and in Environmental Toxicology, School of Pharmacy, University of Calabria.
- *Mathematics (Calculus)*, 1st year of 1st level Laurea courses in Scientific Drug Information and in Cosmetic Technology, School of Pharmacy, University of Calabria.

2007/08

- *Data Mining and Knowledge Discovery in Biology and Medicine*, 2nd year of 2nd level Laurea course in Computer and Medical Systems Engineering, University Magna Graecia of Catanzaro.
- *Object Oriented Programming*, 2nd year of 1st level Laurea course in Management Engineering, School of Engineering, University of Calabria. Web site (in Italian)
- *Data and Text Mining*, 1st year of 2nd level Laurea course in Computer Science for Humanities, School of Letters and Philosophy, University of Calabria.
- *Mathematics (Calculus)*, 1st year of 1st level Laurea courses in Nutritional Sciences and in Environmental Toxicology, School of Pharmacy, University of Calabria.
- *Mathematics (Calculus)*, 1st year of 1st level Laurea courses in Scientific Drug Information and in Cosmetic Technology, School of Pharmacy, University of Calabria.

2006/07

- *Object Oriented Programming*, 2nd year of 1st level Laurea course in Management Engineering, School of Engineering, University of Calabria. Web site (in Italian)
- *Mathematics (Calculus)*, 1st year of 1st level Laurea courses in Nutritional Sciences and in Environmental Toxicology, School of Pharmacy, University of Calabria.
- *Mathematics (Calculus)*, 1st year of 1st level Laurea courses in Scientific Drug Information and in Cosmetic Technology, School of Pharmacy, University of Calabria.

2005/06

- *Programming Laboratory*, 2nd year of 1st level Laurea course in Computer Engineering, School of Engineering, University of Calabria.
- *Introduction to Computer Science (F)*, 1st year of 1st level Laurea course in Computer Engineering, School of Engineering, University of Calabria.
- *Data and Text Mining*, 1st year of 2nd level Laurea course in Computer Science for Humanities, School of Letters and Philosophy, University of Calabria.



- *Web Mining*, 2nd year of 2st level Laurea course in Computer Science for Humanities, School of Letters and Philosophy, University of Calabria.

2004/05 (Teaching Assistant)

- *Formal Languages and Compilers*, 2nd year of 1st level Laurea course in Computer Engineering, School of Engineering, University of Calabria.
- *Databases*, 3rd year of 1st level Laurea course in Computer Engineering, School of Engineering, University of Calabria.
- *Programming Laboratory*, 2nd year of 1st level Laurea course in Computer Engineering, School of Engineering, University of Calabria.
- *Information Processing*, 2nd year of Laurea course in Philosophy and Communication Sciences, School of Letters and Philosophy, University of Calabria.

2003/04 (Teaching Assistant)

- *Databases*, 5th year of Laurea (V.O.) course in Computer Engineering, School of Engineering, University of Calabria.
- *Programming Laboratory (A)*, 2nd year of 1st level Laurea course in Computer Engineering, School of Engineering, University of Calabria.

2002/03 (Teaching Assistant)

- *Programming Laboratory*, 2nd year of 1st level Laurea course in Computer Engineering, School of Engineering, University of Calabria.
- *Foundations of Computer Science I*, 1st year of 1st level Laurea course in Computer Engineering, School of Engineering, University of Calabria.
- *Introduction to Computer Science (A, D)*, 1st year of 1st level Laurea course in Computer Engineering, School of Engineering, University of Calabria.
- *Foundations of Computer Science II*, 2nd year of 1st level Laurea course in Social Service Sciences, School of Political Sciences, University of Calabria.

Supervision of Master and PhD Students

Since 2002: co-supervisor or unique supervisor of more than 100 degree theses, mainly for the degree courses in Computer Engineering ("Magistrale D.M. 270/04", "Specialistica D.M. 509/99", "Triennale D.M. 270/04", "Triennale D.M. 509/99", "Vecchio Ordinamento") of the University of Calabria.

Currently, thesis supervisor of students of the Ph.D. course in Information and Communication Technologies (XXXIII) of the University of Calabria. Also, supervisor of Ph.D. students for the same research doctoral course (XXXI) and for the Ph.D. course in Systems Engineering and Computer Science (XXVII) of the University of Calabria.



Examiner of PhD Candidates

2014: External examiner of the PhD thesis titled "Credit Decision Support Methodology for Micro, Small, and Medium Enterprises" by Novita Ikasari (Tom Cronje, Fedja Hadzic, and Tharam S. Dillon supervisors). Curtin University of Technology, Australia.

2011: External examiner of the PhD thesis titled "Enriching XML Documents Clustering by using Concise Structure and Content" by Sangeetha Kutty (Richi Nayak supervisors). Queensland University of Technology, Brisbane, Australia.

2010: External examiner of the PhD thesis titled "Unsupervised Approaches for the Generation of Structures on Large Data" by Dino Ienco (Rosa Meo supervisor), University of Turin, Italy.

Scientific Coordination of Research Fellows

November 1, 2019 – October 31, 2020: scientific coordinator of 1 research fellow under the project POR CALABRIA FESR-FSE 2014/2020 (Asse I - Promozione della Ricerca e della Innovazione, Obiettivo Specifico 1.2, Azione 1.2.2) "Start-(h)open", DIMES, University of Calabria.

December 1, 2018 – February 29, 2020: scientific coordinator of 1 research fellow under the project "Dipartimento di Eccellenza" (L. 232/2016), DIMES, University of Calabria.

July 1, 2018 – November 30, 2019: scientific coordinator of 1 research fellow under the project POR CALABRIA FESR-FSE 2014/2020 (Asse I - Promozione della Ricerca e della Innovazione, Obiettivo Specifico 1.2, Azione 1.2.2) "Start-(h)open", DIMES, University of Calabria.

August 1, 2015 – June 30, 2018: scientific coordinator of 1 research fellow under the project PON "Ricerca e Competitività 2007-2013" named "BA2Know - Business Analytics to Know", DIMES, University of Calabria.

January 1, 2015 – November 30, 2016: scientific coordinator of 1 research fellow under the project PON "Ricerca e Competitività 2007-2013" named "BA2Know - Business Analytics to Know", DIMES, University of Calabria.

January 1, 2015 – December 31, 2015: scientific coordinator of 1 research fellow under the project POR Calabria FESR 2007-2013, "SINSE+: Sistema di reasoning e tutoring su grandi moli di dati", DIMES, University of Calabria.

January 1, 2015 – October 31, 2015: scientific coordinator of 1 research fellow under the project PON "Ricerca e Competitività 2007-2013" named "BA2Know - Business Analytics to Know", Dept. DIMES, University of Calabria.



Memberships in Editorial Board of peer-reviewed Journals

- Action Editor per Computational Intelligence Journal, Wiley.
- Associate Editor per Social Network Analysis and Mining Journal, Springer.
- Lead Guest Editor di IEEE Trans. on Network Science and Engineering, [Special Issue on "Reloading Feature-rich Information Networks"](#) (Dicembre 2019 - Agosto 2020).
- Lead Guest Editor di Information Systems, Elsevier, [Special Issue on "Managing, Mining and Learning in the Legal Data Domain"](#) (Ottobre 2020 - Settembre 2021).

Organization of Scientific Meetings

- Co-chair of the 2nd International Workshop 'Modeling and Mining Social-Media-driven Complex Networks (Soc2Net)', in conjunction with The IEEE/ACM International Conference on Advances in Social Network Analysis and Mining (ASONAM 2020), December 7-10, 2020, The Hague, Netherlands.
Web: <http://events.dimes.unical.it/soc2net/>
- Co-chair of Workshop 'HELPLINE: Artificial Intelligence for HEALth, Personalized Medicine and WELLbeing', in conjunction with The 24th European Conference on Artificial Intelligence (ECAI 2020), August 29 - September 2, 2020, Santiago de Compostela, Spain.
Web: <http://events.dimes.unical.it/helpline/>
- Co-chair of Workshop 'COUrT - CaiSE for Legal Documents', in conjunction with The 32nd International Conference on Advanced Information Systems Engineering (CAiSE 2020), June 8-12, 2020, Grenoble, France.
Web: <http://events.dimes.unical.it/court/>
- Co-chair of Workshop 'Modeling and Mining Social-Media-driven Complex Networks (Soc2Net)', in conjunction with The 13th International AAAI Conference on Web and Social Media (ICWSM 2019), June 11-14, 2019, Munich, Germany.
Web: <http://events.dimes.unical.it/soc2net/>
- Co-chair of Workshop 'Modeling, Learning and Mining Cross/Multilinguality (MultiLingMine)', in conjunction with The 38th European Conference on Information Retrieval (ECIR 2016), March 20-23, 2016, Padua, Italy.
Web: <http://events.dimes.unical.it/multilingmine/>
- Co-chair of Mini-symposium 'Multiple Clusterings, Multi-view Data, and Multi-source Knowledge-driven Clustering (MultiClust)', in conjunction with The 2014 SIAM Data Mining Conference (SDM 2014), April 24-26, 2014, Philadelphia, Pennsylvania, USA.



Web: <https://archive.siam.org/meetings/sdm14/workshops.php>

- Co-chair of Workshop 'Multiple Clusterings, Multi-view Data, and Multi-source Knowledge-driven Clustering (MultiClust)', in conjunction with The 19th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD 2013), August 11-14, 2013, Chicago, Illinois, USA.
Web: <http://cs.au.dk/multiclust2013/>
- Co-chair of Workshop 'Multi-view data, High-dimensionality, External Knowledge: Striving for a Unified Approach to Clustering (3Clust)', in conjunction with the 16th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2012), May 29-June 1, 2012, Kuala Lumpur, Malaysia.
Web: <http://sites.google.com/site/3clust/>
- Co-chair of Workshop 'Knowledge Discovery in Health Care and Medicine (KD-HCM)', in conjunction with The European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML-PKDD 2011), September 5-9, 2011, Athens, Greece.
Web: <http://www.cs.gmu.edu/~hrangwal/kd-hcm/>

Invited Talks in Scientific Meetings

'*Influence Propagation and Maximization*', Lecture given at the 2nd International School on Informatics and Dynamics in Complex Networks, University of Catania, Catania, Italy, February 10-14, 2020.

'*Social Influence in Our Society*', Panel Discussion (with Kristina Lerman, Jie Tang, Wei Chen) at The 2019 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), Vancouver, Canada, August 27-30, 2019.

'*Are You My Neighbor?: Bringing Order to Neighbor Computing Problems*', Tutorial (with D. C. Anastasiu, H. Rangwala) presented at The 25th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD 2019), Anchorage, Alaska, USA, August 4-8, 2019.

'*Exploring lurking behaviors in online social networks*', Tutorial presented at The 2017 ACM International Conference on Web Intelligence, Mining and Semantics (WIMS), Amantea, Italy, June 21, 2017.

'*Principles, models, and methods for the characterization and analysis of lurkers in online social networks*', Tutorial (with R. Interdonato) presented at The 2015 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), Paris, France, August 25, 2015.



'Understanding Silent Users: Behavior in Large-scale Online Communities', Tutorial (with R. Interdonato) presented at The 23rd Conference on User Modeling, Adaptation and Personalization (UMAP), Dublin, Ireland, June 29, 2015.

Commissions of Trust

Reviewer of Scientific Journals (*selection*)

IEEE Transactions on Knowledge and Data Engineering (TKDE); ACM Transactions on Knowledge Discovery from Data (TKDD); Data Mining and Knowledge Discovery (DMKD), Springer; Social Network Analysis and Mining (SNAM), Springer; IEEE Transactions on Network Science and Engineering (TKDE); IEEE Transactions on Computers (TC); ACM Transactions on Information Systems (TOIS); Information Systems (IS), Elsevier; Knowledge and Information Systems (KAIS), Springer; Information Sciences (InfSci), Elsevier; Knowledge-Based Systems (KBS), Elsevier; Knowledge & Data Engineering (DKE), Elsevier; PLOS ONE.

Program Committee of International Conferences (*selection*)

ACM SIGKDD Int. Conf. on Knowledge Discovery and Data Mining (KDD), IEEE Int. Conf. on Data Mining (ICDM), SIAM Int. Conf. on Data Mining (SDM), European Conf. on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML-PKDD), ACM Int. Conf. on Information and Knowledge Management (CIKM), The Web Conference (formerly, Int. Conf. on World Wide Web), IEEE/ACM Int. Conf. on Advances in Social Networks Analysis and Mining (ASONAM), ACM Int. Conf. on User Modelling, Adaptation and Personalization (UMAP), IEEE Int. Conf. on Data Science and Advanced Analytics (DSAA), Int. Conf. on Complex Networks (ComplexNetworks)

Research Projects – Scientific Coordination (*selection*)

- Project scientific coordinator of POR CALABRIA FESR-FSE 2014/2020 (Asse I - Promozione della Ricerca e della Innovazione, Obiettivo Specifico 1.2, Azione 1.2.2) "Start-(h)open", CUP: J28C17000380006, January 8, 2018 – July 7, 2020. Partners: WISH s.r.l.s. (head), DIMES – University of Calabria, LISE LabDoc – University of Calabria. Total Project Budget: 676,492.40 Euro. DIMES participation at 22.8%.



- Project scientific coordinator of POR Calabria FESR 2007-2013 (Asse I - Ricerca Scientifica, Innovazione Tecnologica e Società dell'informazione, Linea di Intervento 1.1.1.2 - Progetti di ricerca industriale e di sviluppo sperimentale nei settori strategici regionali, Agenda strategica Poli di Innovazione Regionale) denominato "SINSE+: Sistema di reasoning e tutoring su grandi moli di dati", CUP: J84E07000530005, November 1, 2014 – December 31, 2015. Partners: E Way Enterprise Business Solutions s.r.l. (head), Contesti s.r.l., Ithea s.r.l., DIMES - University of Calabria. Total Project Budget: 632,975.00 Euro. DIMES participation at 25.5%.
- Scientific coordinator of the DIMES activities in the context of the project PON "Ricerca e Competitività 2007-2013" named "Distretto Tecnologico Cyber Security - Progetto 1 Protezione dell'Utente Finale", funded by MIUR, July 1, 2013 –December 31, 2016. Partners: ATS Cyber Security, Poste Italiane s.p.a. (head). Total Project Budget: 1,080,500.00 Euro.
- Scientific coordinator of the DIMES activities of objective OR2 (Business analysis and knowledge management) in the context of the project PON "Ricerca e Competitività 2007-2013" named "BA2Know - Business Analytics to Know", CUP: H24G14000370005, funded by MIUR, September 10, 2013 – December 9, 2016. Total Project Budget: 310,000.00 Euro.
- Scientific coordinator of the DIMES activities of objective OR2.4 (Information discovery and content search) in the context of the project PON "Ricerca e Competitività 2007-2013" named "INMOTO - INformation and MObility for Tourism, Smart Cities and Communities and Social Innovation", funded by MIUR, November 1, 2012 – July, 31 2015.

Spin-off

Founder member of Ithea S.r.l., spin-off of the University of Calabria, January 4, 2008, which is actively involved in the development of ITC service and software solutions in several application domains, particularly suited to needs of public administrations and medium-small enterprises. Since 2010, Ithea is part of Relatech, based on Milan, Italy.



List of Scientific Publications

JOURNALS

1. R. Interdonato, M. Magnani, D. Perna, A. Tagarelli, D. Vega (2020). Multilayer network simplification: approaches, models and methods. **Computer Science Review**, vol. 36, pp. 100246. Elsevier. ISSN: 1574-0137, DOI: 10.1016/j.cosrev.2020.100246.
2. M. Fugenschuh, R. Gera, A. Tagarelli (2020). ANGEL: A Synthetic Model for Airline Network Generation Emphasizing Layers. **IEEE Transactions on Network Science and Engineering**. Online Print: January 2020. ISSN: 2327-4697, DOI: 10.1109/TNSE.2020.2965207.
3. A. Amelio, G. Mangioni, A. Tagarelli (2020). Modularity in Multilayer Networks using Redundancy-based Resolution and Projection-based Inter-Layer Coupling. **IEEE Transactions on Network Science and Engineering**. Online Print: April 2019. ISSN: 2327-4697, DOI: 10.1109/TNSE.2019.2913325.
4. D. Mandaglio, A. Tagarelli (2019). Generalized Preference Learning for Trust Network Inference. **IEEE Access**, vol. 7, pp. 174583-174596. IEEE. ISSN: 2169-3536, DOI: 10.1109/ACCESS.2019.2957191.
5. A. Calì, A. Tagarelli (2019). Complex influence propagation based on trust-aware dynamic linear threshold models. **Applied Network Science**, vol. 4, n. 1, pp. 14:1-14:41. Springer Open. ISSN: 2364-8228, DOI: 10.1007/s41109-019-0124-5.
6. D. Perna, R. Interdonato, A. Tagarelli (2019). Are you an influencer, or a lurker? Why not both! Understanding alternate, opposite behaviors in complex social network systems. **SIGWEB Newsletter** 2019 (Spring), n. 3, pp. 1-8. ISSN:1931-1745, DOI: 10.1145/3320496.3320499.
7. Antonio Calì, Roberto Interdonato, Chiara Pulice, Andrea Tagarelli (2018). Topology-Driven Diversity for Targeted Influence Maximization with Application to User Engagement in Social Networks. **IEEE Transactions on Knowledge and Data Engineering**, vol. 30, n. 12, pp. 2421-2434. ISSN: 1041-4347, DOI: 10.1109/TKDE.2018.2820010.
8. D. Perna, R. Interdonato, A. Tagarelli (2018). Learning to lurker rank: an evaluation of learning-to-rank methods for lurking behavior analysis. **Social Network Analysis and Mining**, vol. 8, n. 1, pp. 39:1-39:21. Springer Vienna. ISSN: 1869-5450, DOI: 10.1007/s13278-018-0516-z.
9. D. Perna, R. Interdonato, A. Tagarelli (2018). Identifying Users With Alternate Behaviors of Lurking and Active Participation in Multilayer Social Networks. **IEEE Transactions on Computational Social Systems**, vol. 5, no. 1, pp. 46-63. ISSN: 2329-924X, DOI: 10.1109/TCSS.2017.2762730.
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