

ALLEGATO A

UNIVERSITÀ DEGLI STUDI DI MILANO

Procedura di selezione per la chiamata a professore di II fascia da ricoprire ai sensi dell'art. 18, commi 1 e 4, della Legge n. 240/2010 per il settore concorsuale INF/01 ,

(settore scientifico-disciplinare INF/01)

presso il Dipartimento di Scienze Sociali e Politiche

(avviso bando pubblicato sulla G.U. n. 53 del 5 luglio 2019 - Codice concorso 4101.

Alessandro Provetti

CURRICULUM VITAE

INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)

COGNOME	PROVETTI
NOME	ALESSANDRO
DATA DI NASCITA	28 MARZO 1966

**INSERIRE IL PROPRIO CURRICULUM
(non eccedente le 30 pagine)**

Data

3 agosto 2019

Luogo

Salsomaggiore Terme

A. Provetti:
**Auto-valutazione rispetto ai criteri adottati in concorsi per
il settore INF/01¹**

ATTIVITA' DIDATTICA (Punteggio massimo attribuibile 25)	punti
<p>didattica lauree triennali e specialistiche</p> <p>dal 2016-17 ad oggi, Birkbeck University of London:</p> <p>MSc Data Science</p> <ul style="list-style-type: none"> -Programming with Data (15 credits) -Data Science Techniques and applications (15 credits) <p>Dal 2001-02 al 2008-09, dal 2010-11 al 2015-16, Università degli Studi di Messina:</p> <p>Corso di laurea triennale in Informatica:</p> <ul style="list-style-type: none"> -Algoritmi I (6/9CFU, insegnato per sei edizioni) -Basi di dati I (6/9CFU, insegnato per cinque edizioni) <p>Corso di laurea magistrale in Informatica:</p> <ul style="list-style-type: none"> -Teoria e metodi dell'ottimizzazione (12CFU, insegnato per 12 edizioni) - Intelligenza artificiale (6/9CFU, insegnato per 11 edizioni) <p>Corso di laurea magistrale in Fisica/Matematica:</p> <ul style="list-style-type: none"> - Laboratorio informatico (6CFU, insegnato per 3 edizioni) <p>Presso l'ateneo messinese ho ricoperto vari insegnamenti di servizio (da 1 a 6 CFU) presso corsi di laurea delle aree giuridiche e sanitarie.</p> <p>2000-01, dipartimento d'Informatica, Università degli Studi di Milano:</p> <p>Corso di laurea in Informatica</p> <ul style="list-style-type: none"> -Laboratorio di Algoritmi I (6CFU) -Intelligenza artificiale (6CFU) <p>Corso di laurea in Biotecnologie:</p> <ul style="list-style-type: none"> -Informatica (6 CFU) <p>1999-2000, Dept. Of Computer Science, University of Texas El Paso, USA</p> <p>-BSc Computer Science:</p> <ul style="list-style-type: none"> -Databases (3hrs) -Formal Language, Automata and Compilers (3hrs) <p>MSc Computer Science</p> <ul style="list-style-type: none"> -Advanced Algorithms (3hrs) -Artificial Intelligence (3hrs) 	

¹ <https://www.unimi.it/it/ateneo-lavora-con-noi-reclutamento-professori-procedure-chiamata-professori/professore-di-ii-3>

ATTIVITA' DIDATTICA, CONTINUA	punti
<p>didattica post-laurea</p> <p>2016-17, Technische Universität Wien, Vienna, Austria. - "Online Social Network Analysis" corso di dottorato (12 ore)</p> <p>2015-16, Universidade da Coruna, La Coruña, Spagna: - Rule-based planning," corso di dottorato Erasmus (8 ore)</p> <p>Dal 2001-02 al 2008-09, dal 2010-11 al 2015-16, Università degli Studi di Messina: Tirocinio formativo attivo (TFA): - laboratorio di basi di dati (20 ore, un'edizione)</p> <p>Scuola di Specializzazione per l'Insegnamento secondario (SSIS): - Basi di dati (20 ore, 4 edizioni), corso fondamentale per il percorso abilitativo cl. 42</p> <p>Scuola di specializzazione in Fisica medica, Dipartimento di Medicina clinica - Teoria e Tecniche dei sistemi informativi ospedalieri (1 CFU) - Teoria e Tecniche di elaborazione e trasferimento di segnali ed immagini (1CFU)</p>	

<p>Relatore</p> <p>Dall'AA. 2017-18 sono correlatore di tesi magistrali sui temi della Data analytics, Social Media analysis e Recommender systems della LM "COM:"</p> <p>LM Comunicazione Pubblica e d'Impresa/ MA in Public and Corporate Communication</p> <p>del Dipartimento di Scienze Sociali e Politiche dell'Universita' degli Studi di Milano.</p> <p>Dal 2016-2017, Birkbeck, university of London</p> <p>-relatore due studenti di PhD:</p> <p>---I. Pozzana (Sentiment Analysis, 'viva' previsto nel 2020) e</p> <p>---Y. Prifti (Web Data Extraction, viva previsto nel 2021)</p> <p>-co-relatore di tre studenti di PhD:</p> <p>---S. Han (Graph-based financial risk analysis),</p> <p>---D. Kargatzis (anomaly detection) e</p> <p>---C. Dawson (sport data analytics).</p> <p>-relatore di 32 tesi di Master (MSc Data Science, MSc Computer Science, MSc Computing for the Financial Services)</p> <p>2001-02 al 2015-16, Universita' degli Studi di Messina</p> <p>-co-relatore della tesi di dottorato in Informatica di E. Ferrara (2011).</p> <p>-relatore di oltre 20 tesi triennali/magistrali in Informatica.</p> <p>2000-2001, Universita' degli Studi di Milano</p> <p>Relatore di tesi di dottorato in Informatica:</p> <p>-M. Marchi (XVIII ciclo)</p> <p>-A. Mileo (XVIII ciclo)</p> <p>Ho seguito numero tesi di laurea a ciclo unico, in particolare di studenti che ho avviato al dottorato di ricerca/PhD: A. Mileo (Milano), L. Pareschi (Milano) I. Cattinelli (Milano-CMU) e F. Salvetti (U. of Colorado-Boulder).</p> <p>1999-2000, University of Texas at El Paso</p> <p>Ho seguito progetti di fine corso, in particolare del PhD L. Tari (U. of Arizona).</p>	
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ATTIVITA' DIDATTICA, CONTINUA	punti
<p>Tutorato</p> <p>Sono stato tutor accademico di studenti di primo (triennale/BSc) e secondo (magistrale/MSc) livello in ognuna delle posizioni accademiche che ho ricoperto:</p> <p>Reader, Birkbeck, U. of London, dal 2016</p> <p>Professore associato, U. degli Studi di Messina, 2001-2009 e 2010-2016</p> <p>Ricercatore universitario, U. degli Studi di Milano, 2000-2001</p> <p>Assistant professor, U of Texas El Paso, 1999-2000.</p> <p>Sono stato responsabile/coordinatore di numerosi corsi di studio:</p> <p>--Director of Studies, MSc Data Science (Birkbeck, University of London) Ho definito il piano didattico ed il lancio nel 2016 di questo nuovo master che ora ha raggiunto piu' di 100 iscritti/anno.</p> <p>--Coordinatore del CdL Magistrale in Informatica (U. di Messina) Dal 2010 al 2015 ho coordinato la magistrale (circa 50 iscritti) e curato il primo ciclo SUA e AVA.</p> <p>--Coordinatore del CdL Triennale in Informatica (U. di Messina) Dal 2010 al 2015 ho coordinato la triennale (circa 300 iscritti) e curato il primo ciclo SUA e AVA.</p> <p>Tutor Erasmus:</p> <p>per 12 anni sono stato responsabile Erasmus per la triennale e magistrale d'Informatica a Messina.</p> <p>Ho firmato numerosi "Bilateral Agreement" e sono stato tutor di almeno 30 stage in uscita e 20 in entrata.</p>	

ATTIVITA' DIDATTICA, CONTINUA	punti
<p>Seminari</p> <p>Dall'AA. 2017-18 tengo seminari invitati presso i corsi della LM "COM:" LM in Comunicazione Pubblica e d'Impresa/ MA in Public and Corporate Communication del Dipartimento di Scienze Sociali e Politiche dell'U. di Milano:</p> <ul style="list-style-type: none"> -Web Communication (INF/01) -Big Data and Digital Methods (INF/01) <p>Presso questo corso sono correlatore di varie tesi magistrali sul tema Data analytics, Social Media analysis e Recommender systems.</p> <p>Sono stato relatore invitato ai seguenti eventi scientifici:</p> <ul style="list-style-type: none"> —Data Science Section of the Royal Statistical Society; London, 2019. —Summer School on Social Network Analysis with R; London, 2017. —9th Workshop on Multimedia, Distributed and Pervasive Systems (MDPS); Messina, 2013. —6th Symp. of the Argentinian Society for Artificial Intelligence (ASAI); Cordoba, AR, 2004. <p>Ho tenuto seminari presso varie sedi universitarie, fra queste:</p> <ul style="list-style-type: none"> -Royal Holloway, U. of London, 2015: "Online Social Network Analysis" -Technische Universität Wien, Austria, 2013: "Rule-based spam annotation" -Oxford-Man Institute, UK, 2010: "Data Extraction from Social Networks" -Aberdeen University, Scotland, 2009: "Rule-based spam annotation" -U. de la Provincia de Buenos Aires en Tandil, 2004: "Answer Set Programming," -U. da Coruna, La Coruña, Spagna, 1998: "Answer Set Programming" 	
PUNTEGGIO COMPLESSIVO	

ATTIVITA' DI RICERCA (Punteggio massimo attribuibile 17,5)	punti
<p>Coordinatore progetti internazionali</p> <p>Sono stato coordinatore (Principal Investigator) del progetto FET-OPEN <i>"WASP: Working Group on Answer Sets Programming"</i> 5th Framework Programme, contract IST-2001-37004</p> <p>Rappresento gli UK nello Steering Committee della rete CoST-EU <i>"Digital Forensics: Evidence analysis via Intelligent Systems and Practices,"</i> contratto CA17124. https://digforasp.uca.es/</p>	
<p>Responsabile locale progetti internazionali</p> <p>Sono stato responsabile per l'ateneo di Messina del suddetto progetto IST-2001-37004.</p>	
<p>Coordinatore progetti nazionali</p> <p>Dall'1 agosto 2019 sono co-PI del progetto</p> <p><i>"Digital forensics and social media: Challenges and opportunities for law enforcement."</i></p> <p>Funded by the Dawes Trust, UK. Budget: £309.427.</p> <p>Ho coordinato la seguente proposta, approvata ma non ammessa a finanziamento del bando nazionale italiano <i>"Big Data Analytics:"</i></p> <p><i>"Svooolaz: a platform for collecting, categorizing, annotating, visualizing, correlating and sharing data from cross-platform digital interactions".</i> Budget: Euro 1.173.000.</p> <p>Nel 2006-08 sono stato Responsabile locale (Messina) del PRIN <i>"DLP* in innovative application settings."</i> Con un budget d'unita' di Euro 36.100.</p>	

<p>Partecipante a progetti</p> <p>2013: co-PI to the U. of Messina unit of the National project (PON) "Teseo" on the on-board integration of new energy technologies with high efficiency and low environmental impact. Budget: Euro 15.088.936.</p> <p>Ho partecipato a due progetti nazionali spagnoli sui temi dell'AI e ragionamento automatico:</p> <p>2008-11: "<i>Genetic Algorithms in Satisfiability Problems: Formal Study and Application to Answer Set Programming</i>" funded by the <i>Xunta de Galicia</i> (Spain) under contract INCITE08-PXIB105159PR. Funding: Euro 29.555.</p> <p>2001-04: "<i>Un lenguaje declarativo basado en causalidad: aplicacion a diferentes problemas de razonamiento</i>" funded by the Spanish <i>Ministerio de Educación y Ciencia</i> under contract TIC2001-0393. Funding: Euro 112.936.</p>	
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ATTIVITA' DI RICERCA, CONTINUA	punti
<p>Presidente società scientifica</p> <p>Per il 2013-2017 sono stato membro eletto del comitato direttivo del GULP, l'associazione italiana di programmazione logica.</p>	
Editor in chief	

<p>Organizzatore o program/track chair</p> <p>Con S. Tran Cao (NMSU) e M. De Vos (Bath) ho ideato e organizzato le prime tre edizioni del Workshop "ASP: Answer Set Programming:" Stanford 2001, Messina 2003 e Bath 2005. I proceedings sono stati pubblicati nelle collane AAAI Symposia (Vol. SSS-01-01) e CEUR-WS (Vol. 78 e 142).</p> <p>Con M. Osorio (UDLA, Puebla) ho ideato e organizzato la prima edizione del Workshop "Latin-American Non-Monotonic Reasoning (LA-NMR), i proceedings nella collana CEUR-WS (Vol. 92).</p> <p>Ho co-organizzato varie track ed eventi satellite, in particolare:</p> <p>ADON18 "Anomaly Detection on the Cloud and the Internet of Things." A workshop of the Int'l Conference on Cloud Computing Technology and Science (CloudCom)</p> <p>SLNA16 "Social Networks, Large Networks, and Their Applications." A track of the 12th Int'l Conference on Signal Image Technology and Internet-Based Systems, SITIS 2016. IEEE Press.</p> <p>BOF07 "Between Ontologies and Folksonomies." A Workshop of the 3rd Communities and Technologies Conference, Michigan State University 2007. Vol. 312 of CEUR-WS Series.</p> <p>CILC07, the XXVII the Italian Conference on Computational Logic; Messina, 2007.</p> <p>NMR2000 Track on Representing Actions and Planning at NMR'2000, Breckenridge, CO, 2000.</p>	
<p>Membro comitato scientifico</p> <p>Ho partecipato vari comitati di programma, 30 dal 2010 ad oggi.</p> <p>Nell'ultimo biennio 2017-19 sono stato inserito nei seguenti 19 comitati:</p> <ul style="list-style-type: none"> -WebSci 2017-18, the ACM Web Science Conference; -IEEE Big Data 2018-19, the IEEE International Conference on Big Data; -WIMS 2011-2019: Int'l Conference on Web Intelligence, Mining and Semantics; -EuroCSS 2017-19, European Symp. on Societal Challenges in Comp. Social Science -IEEE ICSC 2012-2017 the IEEE Int'l Conference on Semantic Computing; -BICOD 2017 the British Int'l Conference on Databases; -RuleML+RR 2017: Int'l Joint Conference on Rules and Reasoning; -SocInfo 2016-17: Int'l Conference on Social Informatics. <p>Sono stato reviewer per vari journal scientifici del mio settore, per esempio IEEE TKDE, PVLDB, Artificial Intelligence, TPLP, J. of Logic and Computation, Fundamenta Informaticae, IEICE Trans. on Inf. and Syst., Computational Models of Organization Theory e altri.</p> <p>Sono inoltre stato reviewer per varie conferenze del mio settore come WWW, IJCAI, VLDB, EDBT e altre.</p>	
<p>Membro editorial board</p> <p>Editorial Review Board: "Int'l Journal of Information Technology and Web Engineering" (IJITWE). IGI-Global Press, (2013-2016).</p> <p>Guest Editor: "Theory and Practice of Logic Programming," special issue on Answer Sets Programming, Vol. 3(4-5) 2005. Oxford University Press.</p>	

<p>Altro ruolo organizzativo</p> <p>Sono stato referee e rapporteur nella valutazione di progetti del quinto, sesto e settimo programma quadro dell'unione europea.</p> <p>Ho partecipato alla valutazione ex-post di progetti europei nel settore dell'AI.</p>	
<p>Trasferimento tecnologico</p> <p>Sono scientific advisor della spin-off "Malet labs Ltd" fondata da studenti di PhD del Birkbeck college attivi nel settore del Machine learning: http://maletlabs.com/</p> <p>Sono consulente di "Brainpool.ai," spin off dello University College London che organizza l'attività consulenziale di accademici e studenti del settore Intelligenza artificiale: https://brainpool.ai/</p> <p>Sono co-proponente della proposta di brevetto ITME20130005, "<i>Method and system for the interactive management of the browsing and booking of pharmaceutical, with or without prescription.</i>" Sottoposta all'Ufficio Italiano Brevetti il 31.XI. 2014, in via di registrazione presso lo European Patent office.</p>	
PUNTEGGIO COMPLESSIVO	

PUBBLICAZIONI (punteggio massimo attribuibile 52,5) N.B.: Valutare esclusivamente le pubblicazioni inviate ai fini della valutazione e indicate nel relativo elenco	Tipologia*	Punti
1. [C.1] P. De Meo, M. Levene and A. Provetti, 2019. Potential gain as a centrality measure. Proc. of <i>IEEE/WIC/ACM Int'l Conference on Web Intelligence</i> . IEEE Computer Society.	proceedings	
2. [J.11] S. Agreste, P. De Meo, E. Ferrara, S. Piccolo A. Provetti, 2015. Trust Networks: Topology, Dynamics and Measurements. <i>IEEE Internet Computing</i> , Vol. 19:6, pp. 26–35.	art. su rivista	
3. [J.10] S. Agreste, P. De Meo, E. Ferrara, S. Piccolo, and A. Provetti, 2015. Analysis of a heterogeneous social network of humans and cultural objects. <i>IEEE Trans. on Systems, Man and Cybernetics: Systems</i> , Vol. 45:4, pp. 559–570.	art. su rivista	
4. [J.9] B. Bonasera, E. Ferrara, G. Fiumara, F. Pagano and A. Provetti, 2015. Adaptive search over sorted sets. <i>Journal of Discrete Algorithms</i> , Vol. 30, pp. 128–133.	art. su rivista	
5. [J.8] P. De Meo, E. Ferrara, G. Fiumara, and A. Provetti, 2014. On Facebook, most ties are weak. <i>Communications of the ACM</i> , Vol. 57:11, pp. 78–84.	art. su rivista	
6. [J.7] P. De Meo, E. Ferrara, G. Fiumara, and A. Provetti, 2014. Mixing local and global information for community detection in large networks. <i>J. of Computer and System Sciences</i> , Vol. 80:1, pp. 72–87.	art. su rivista	
7. [J.6] M. Bernava, G. Fiumara, D. Maggiorini, L. Ripamonti and A. Provetti, 2014. RDF annotation of Second Life objects: Knowledge Representation meets Social Virtual reality. <i>Computational & Mathematical Organization Theory</i> , Vol. 20:1, pp. 20–35.	art. su rivista	
8. [J.5] P. De Meo, E. Ferrara, G. Fiumara, and A. Provetti, 2013. Enhancing community detection using a network weighting strategy. <i>Information Sciences</i> , Vol. 222, pp. 648– 668.	art. su rivista	
9. [J.4] S. Costantini, G. De Gasperis, A. Provetti and P. Tsintza, 2013. A Heuristic Approach to Proposal-Based Negotiation: With Applications in Fashion Supply Chain Management. <i>Mathematical Problems in Engineering</i> , article no. 896312	art. su rivista	
10. [J.3] G. Grossi, M. Marchi, E. Pontelli and A. Provetti, 2009. Experimental Analysis of Graph- based Answer Set Computation over Parallel and Distributed Architectures. <i>Journal of Logic and Computation</i> , Vol. 19:4, pp. 697–715.	art. su rivista	
11. [J.2] S. Costantini and A. Provetti, 2005. Normal Forms for Answer Set Programming. <i>Theory and Practice of Logic Programming</i> , 5(6):747–760.	art. su rivista	
12. [J.1] A. Provetti, 1996. Hypothetical Reasoning: From Situation Calculus to Event Calculus. <i>Computational Intelligence Journal</i> , 12(3): 478–498.	art. su rivista	
PUNTEGGIO COMPLESSIVO		

ATTIVITA GESTIONALE, ORGANIZZATIVA E DI SERVIZIO (punteggio massimo attribuibile 5)	Punti
<p>ProRettore o delegato</p> <p>Su nomina del Master del Birkbeck College, University of London dal 2016 sono direttore del Birkbeck Institute for Data Analytics.</p> <p>Su nomina rettorale sono stato componente della commissione giudicatrice di vari concorsi universitari del settore INF/01:</p> <ul style="list-style-type: none"> -PA (U. dell'Insubria, Dip. Informatica, 2016) -RTD A (U. di Messina, Sc. dell'Educazione 2010, Sc. Politiche 2011) -RU (U. dell'Aquila, Medicina, 2006) <p>Su nomina rettorale sono stato componente di varie commissioni di concorso per il personale T/A del mio ateneo (Messina), in particolare</p> <ul style="list-style-type: none"> -ruolo tecnico laureato informatico categoria D -progressione verticale d'ateneo per tutti i ruoli tecnici (16 posti) 	
<p>Componente di organi di governo</p> <p>Dal 2016 come Reader/Full professor sono membro dell'Academic Board (Senato accademico) del mio college.</p> <p>Dal 2001 al 2010 sono stato componente del consiglio della Facolta' di Science MMFFNN dell'ateneo messinese.</p> <p>Dal 2000 sono stato componente del consiglio di dipartimento, a Informatica-Milano e Fisica-Messina (dal 2001).</p>	
Direttore di Dipartimento	
Preside di Facoltà	
Componente del Nucleo di Valutazione	
<p>Coordinatore classe o Presidente collegio</p> <p>Dal 2001 al 2016 sono stato rappresentante del settore INF/01 presso l'ateneo di Messina e rappresentante di sede al GRIN.</p>	
Direttore di scuola di dottorato o specializzazione	
PUNTEGGIO COMPLESSIVO	

Alessandro Provetti

Reader in Computer Science,
Director of the *Birkbeck Institute for Data Analytics*
Director of studies for the *MSc in Data Science*
Dept. of Computer Science and Information Systems.
Birkbeck, University of London.
Malet Street, London WC1E 7HX, UK
E-mail: <mailto:ale@dc.s.bbk.ac.uk>
Web: <http://bida.bbk.ac.uk/>

Adjunct/Visiting positions

Visiting professor, for 2016-17, to the Engineering graduate school
Vienna Technical University (TU Wien)
Vienna A-1040, Austria.

Long-term academic visitor, 2009-10, to the Oxford-Man Institute of Quantitative Finance
University of Oxford.
Eagle House, Walton Well Rd. Oxford OX2 6ED, UK.

Affiliated Professor, since 2008, to the Computer Science Graduate School
Virginia Commonwealth University, School of Engineering
401 West Main St., Richmond, VA 23284-3019 USA

Adjunct Professor, since 2000, to the Computer Science Dept.
The University of Texas at El Paso.
500 West University Ave., El Paso, TX 79968, USA.

Current Research Interests

Computational Social Sciences:

- Extraction and analysis of data from Online Social Networks;
- Bias in social Media/Social network interactions;
- Sentiment analysis, e.g., in sports, and
- Community detection.

Artificial Intelligence in the Web/internet domain:

- Declarative Web data extraction and manipulation;
- Text analysis in Digital Forensics.
- Rule-based specification and formal properties of firewalls, and
- Rule-based spam annotation and filtering.

Teaching Experience/Interests

General Computer Science topics:

- Web technology for non-CS students, e.g., Political Sciences;
- Computer Science (Informatics) for non-CS majors (e.g., Physics, Law and Pre-Med);
- Introduction to Computer science;
- Algorithms, data structures and complexity, and
- Databases (basic and advanced).

Research-related topics:

- Data Analysis, e.g, Regresstion, Classification, Clustering etc.
- Complex Networks;
- Artificial Intelligence, and
- Intelligent Systems/Agents.

Patents and Technological transfer

Technology advisor to Malet labs Ltd, a spin-off company by Birkbeck students that develops Deep learning solutions in Keras.

Co-holder of patent ITME20130005, *Method and system for the interactive management of the browsing and booking of pharmaceutical, with or without prescription.*

Submitted to the Italian Patent Office on Oct. 31 2014, under registration by the European P. O.

Supervision and mentoring**Current PhD students (first supervision in bold)**

- **Iacopo Pozzana**, BEI school fellowship, working on *Network Science*;
- **Ylli Prifti**, Eversholt Plc fellowship, working on *Web data extraction*;
- *Seongil Han*, Rep. of Korea fellowship, working on *network models for risk*, and
- *Dimitris Kargatzis*, DCS fellowship, working on *anomaly detection*, and
- *Carl Dawson*, working on *Sport data analytics*.

Post-doc fellows

- *M. Marchi*, 2007-08 funded by the PRIN (national) project *DLP* in innovative applications*

PhDs I mentored

- *Massimo Marchi*, Univ. of Milan, 2006.
Dissertation: *Back and forth between Grid/Web Services and declarative specification*.
Marchi is now Postdoctoral researcher at the Agriculture Dept., Univ. of Milan, Italy.
- *Alessandra Mileo*, Univ. of Milan, 2006.
Dissertation: *Preference specification and enforcement in declarative policies*.
Mileo is now lecturer and Senior Research Fellow at the INSIGHT Centre for Data Analytics of Dublin City University, EIRE.

Partecipation to PhD Committees

1. *Muawya Eldaw*, Birkbeck, University of London, UK, 2019.
2. *Andrey Kravchenko*, University of Oxford, UK, 2016.
3. *Natalia Pobedina*, TU Wien, Austria, 2015.
4. *Markus Aschinger*, University of Oxford, UK, 2014.

5. *Ruslan Fayzrakhmanov*, TU Wien, Austria, 2014.
6. *Juan-Luis Olmo Ortiz*, Universidad de Córdoba, Spain, 2013.
7. Joint Graduation Committee, class of 2011, Univ. of L'Aquila, Italy.
8. *Pedro Cabalar Fernandez*, Univ. de La Coruna, 2002, Spain.
9. *Son Tran Cao*, Univ. of Texas El Paso, 1999, USA.

Service to the Scientific Community

Invited speaker:

- Data Science Section of the Royal Statistical Society*; London, 2019.
- Summer School on Social Network Analysis with R*; London, 2017.
- 9th Workshop on Multimedia, Distributed and Pervasive Systems (MDPS)*; Messina, 2013.
- 6th Symp. of the Argentinian Society for Artificial Intelligence (ASAI)*; Córdoba, AR, 2004.

Coordinator (Principal Investigator): *WASP: Working Group on Answer Sets Programming*, a Europe-wide project funded by the Fifth Framework Programme under contract IST-2001-37004.
Member of the Steering committee of the Italian Logic Programming Association (GULP) 2010–2013.

Guest Editor: *Theory and Practice of Logic Programming*, special issue on Answer Sets Programming, Vol. 3(4-5) 2005. Oxford University Press.

Member of the Editorial Review Board (past): *International Journal of Information Technology and Web Engineering (IJITWE)*¹, IGI-Global Press.

Evaluator: (rapporteur) for the *Forward Emerging Technologies* research initiative of the European Commission on the FP5, FP6 and FP7 initiatives.

Program Committee Chair and Organizing Chair:

- ADON18 Int'l workshop on *Anomaly Detection on the Cloud and the Internet of Things*. A workshop at the Int'l Conference on Cloud Computing Technology and Science (CloudCom), 2018.
- SLNA16 *Social Networks, Large Networks, and Their Applications*. A track of the 12th Int'l Conf. on Signal Image Technology and Internet-Based Systems (SITIS), 2016. IEEE Press.
- BOF07 *Between Ontologies and Folksonomies 2007*. A Workshop of the 3rd Communities and Technologies Conference, Michigan State University 2007. Volume 312 of Ceur-WS Series.
- CILC07 *the XXVII the Italian Conference on Computational Logic*; Messina, 2007. Attendance above 50.
- ASP05 *The 3rd Int'l Workshop on Answer Set Programming*; Bath (UK), July 2005. Proceedings in Vol. 142 of Ceur-WS Series.
- LA-NMR04 *The 1st Latin-American Workshop Nonmonotonic Reasoning*. Mexico City, April 2004. Proc. in Vol. 92 of Ceur-WS Series.
- ASP2003 *the 2nd Int'l Workshop on Answer Set Programming*. Messina, September 2003. Proceedings in Vol. 78 of Ceur-WS Series.
- ASP2001 *Answer Sets Programming: Towards Efficient and Scalable Know. Representation and Reasoning*. AAAI Spring Symposium. Stanford, March '01. Vol. SSS-01-01 of AAAI Press.

¹www.igi-global.com/ijitwe

NMR2000 Track on *Representing Actions and Planning* at NMR'2000, Breckenridge, CO, April 2000.

Program committee member (selection, from 2010):

- *WebSci 2017-18*, the ACM Web Science Conference;
- *IEEE Big Data 2018-19*, the IEEE International Conference on Big Data;
- *WIMS 2011-2019*: Int'l Conference on Web Intelligence, Mining and Semantics;
- *Euro CSS 2017-19*, European Symposium on Societal Challenges in Computational Social Science
- *ICSC 2012-2017* the IEEE Int'l Conference on Semantic Computing;
- *BICOD 2017* the British Int'l Conference on Databases;
- *RuleML+RR 2017*: Int'l Joint Conference on Rules and Reasoning;
- *SocInfo 2016-17*: Int'l Conference on Social Informatics;
- *AMW 2015*: 9th Alberto Mendelzon Workshop on Foundations of Data Management;
- *EAPCogsci 2015*: EuroAsianPacific Joint Conference on Cognitive Science;
- *ALPP 2015*: WS on Action Languages, Process Modeling and Policy Reasoning;
- *SUM 2014*: 7th Int'l Conference on Scalable Uncertainty management;
- *#COOL2014*: a WWW'14 workshop on Connecting Online & Offline life;
- *LPNMR 2013*: the 12th Int'l Conf. on Logic Programming and Nonmonotonic Reasoning;
- *SoMNet 2012* Int'l Symp. on Collaboration, Social Computing, New Media and Networks;
- *SocMed2011*, Int'l Symposium on Social Media, New Media and Collaboration;
- *ASPCOMP2011*, the 3rd Answer Set Programming Competition;
- *AAAI2010*, the American Association for Artificial Intelligence;

Referee:

Journals: *PVLDB*, *Artificial Intelligence*, *Theory and Practice of Logic Programming*, *J. of Logic and Computation*, *Fundamenta Informaticae*, *IEICE Trans. on Inf. and Syst.*, *Computational Models of Organization Theory*, *Engineering Applications of Artificial Intelligence*, *Annals of Mathematics and AI*, *Computational Intelligence*, *Software Engineering and Knowledge Eng.*, and the *IGLP Bulletin*.

Conferences: *WWW (2014)*, *IJCAI (2011, 2003)*, *Vldb (2011)*, *EDBT (2002)*, *JELIA*, *ICLP*, *PADL*, *LoPrSTr (2004)*, *ICTCS (2001)*, *APPIA-GULP-ProDe* and several workshops in the fields of Web data, Logic Programming and AI.

Membership in scientific/professional societies: INdAM (Italian Inst. for Maths), AAAI (past), ALP, GULP and EATCS.

Service to the University

Director of Research Institute

Since its inception in June 2016 I am the director of the Birkbeck Institute for Data Analytics, which has a membership of over 50 academics from all 5 Schools of Birkbeck:

<http://www.bida.bbk.ac.uk>

Also, I am member of the Academic Board of the College.

Director of studies

-MSc Data Science, (enrolment about 100/year) from 2016

-undergraduate Informatics (enrolment of about 100/year) from 2010 to 2014;

-graduate Informatics (enrolment of about 20/year) from 2010 to 2015.

(past) Departmental Erasmus coordinator

Since 2002 I served in the Erasmus committee of my university and managed several bilateral agreements for student and teaching staff exchange.

I personally started and managed Erasmus agreements with Aberdeen Univ. (Scotland), King's College London (England), Universitat Autònoma de Barcelona (Catalonia), Universidade da Coruña (Galicia), TU Wien (Austria), U. Potsdam (Germany), Academia Podlaska (Poland).

Selection committees for academic positions

- External Member of the Selection Committee for Associate Professor in Informatics at Univ. of Insubria, Italy, 2016.
- Member of the Selection Committee for a non-tenure track position as Assistant Professor in Informatics at Messina Univ., College of Political Sciences, 2011.
- Chair of the Selection Committee for two non-tenure track positions as Assistant Professor in Informatics at Messina Univ, Colleges of Sciences and Education, 2010.
- Chair of the Selection Committee for a tenure track position as Assistant Professor in Informatics at Univ. of L'Aquila, College of Medicine, 2006.

Hiring committees for Technical/Administrative Positions

- hiring committee for a Senior position of ICT Technician at the College of Humanities of the Univ. of Messina, November 2008.
- central promotion committee for all Senior technical positions at the Univ. of Messina, September 2008.
- hiring committee for a Senior position of Biologist and the Institute of Genetics of the Univ. of Messina, 2005.

Research Projects

2019: co-PI of project “Digital forensics and social media: Challenges and opportunities for law enforcement.” Funded by the Dawes Trust, UK. Budget: £309.427.

2013: co-PI to the U. of Messina unit of the *Teseo* national project (PON) on the on-board integration of new energy technologies with high efficiency and low environmental impact. Budget: €15.088.936.

2013: co-PI, head of the U. of Messina unit of the project proposal *Svooolaz: a platform for collecting, categorizing, annotating, visualizing, correlating and sharing data from cross-platform digital interactions*. Short-listed by the National *Big Data Analytics* call. Budget: €1.173.000.

2008: Participant to the Project *Genetic Algorithms in Satisfiability Problems: Formal Study and Application to Answer Set Programming* funded by the *Xunta de Galicia* (Spain) under contract INCITE08-PXIB105159PR, October 2008 - October 2011. Funding: €29.555.

2006: Responsible for the Messina unit of the National (PRIN) Project *DLP* in innovative application settings*. Funding: €36.100 for my unit.

2002: *Coordinator* of the European project *WASP: Working Group on Answer Sets Programming*, totally financed by the European Commission with IST-2001-37004 contract. Duration time: 30 months. Funded amount: €300.000.

2001: Participant to the Project *Un lenguaje declarativo basado en causalidad: aplicacion a diferentes problemas de razonamiento* funded by the Spanish *Ministerio de Educación y Ciencia* under contract TIC2001-0393, December 2001 - December 2004. Funding: €112.936.

Intramural Projects

2006+2007: “*Programmazione logica ed applicazioni in ambiti Web e di rete*” funded by the Univ. of Messina with €3.007.

2005: “*Web e Grid services con capacità inferenziali*” submitted to the Univ. of Messina with budget of €14.254.

2004: “*Ragionamento con informazione semi-strutturata da sorgenti Web: oltre Lixto*” submitted to the Univ. of Messina with budget of €14.254.

2002: (with G. Grasso) “*Laboratorio di robotica cognitiva e visione*” funded by the Univ. of Messina with €4.456.

2001: (with L. Ripamonti) the *Legolog* project for setting up a robot building and programming workshop for Artificial Intelligence students; funded by the Univ. of Milan.

Previous appointments

Associate professor: (November 2001 - May 2016, on extended leave)

Physics Dept., University of Messina, Italy.

Assistant professor: (October 2000 - October 2001)

Computer Science Dept., University of Milan, Italy.

Visiting professor: (September 1999 - May 2000)

Computer Science Dept., The University of Texas at El Paso, teaching Computer Science Classes both at graduate and undergraduate level.

Post-doctoral researcher: (December 1997 - August 1999)

University of Milan, Information Sciences Dept., basic research on applying graph theory to Logic programming.

Visiting researcher: (October - December 1997)

University of Corunna, Spain, integrating theory of actions into expert systems.

Consultant: (October - December 1996)

Designing and overseeing the development an Oracle-based RDBMS for automatizing registrar operations at the University of Bologna, faculty of Law.

Visiting Researcher: (June - October 1995 and 1996)

Computer Science Dept, The University of Texas at El Paso, basic research in Knowledge Representation.

Exchange PhD Student: (May-September 1993, April-October 1994)

Computer Science Dept., The U. of Texas at El Paso. Research towards my dissertation.

Teaching experience

Reader: Birkbeck, University of London, UK.

Since 2016 I am in charge of two MSc (Conv) modules: *Programming with Data* and *Data Science Techniques and applications*. Each 15-credits module corresponds to 33 hours of teaching, split evenly between taught lectures and lab experience.

Associate Professor: University of Messina, Italy.

Since 2001, I have been responsible for several core Computer Science classes, for all years of study: Artificial Intelligence, Algorithms I and II, Databases I and II and Automata and Formal Languages.

Moreover, I have been designing and teaching several Introduction to Computer Science classes for non-CS majors, e.g. Chemistry.

During my tenure at U. of Messina I helped to make up for the shortage of CS instructors by teaching on average more than 30 ECTS credits and about 240 hours of class per year.

With my colleague Alessio Plebe from the Faculty of Education, I have successfully proposed the Masters program *Informatics for humanities graduates* that has been fully-funded by the regional government of Sicily in the academic year 2008-09. I taught 2 classes of the master program for a total of 6 ECTS credits /48 hours.

Assistant Professor: University of Milan, Italy,

As an assistant professor in Milan I taught several classes, both in my research area (AI in Milan, Automated planning in Varese) and in general Computer Science: Algorithms I for CS majors, and Introduction to Computer Science for the new study programme in Biotechnologies.

Teaching Assistant: University of Bologna, Italy, 1997.

During my PhD studies, I helped both the teaching and the lab part of *Informatica giuridica*, equivalent to Computer Science for Law majors.

Education

PhD in Informatics for Law, University of Bologna, Italy, January 1996.

Dissertation: *Towards the Formalization of Causal Aspects of Legal Reasoning*².

Supervisors: Prof. M. Matteuzzi and Prof. G. A. Lanzarone; external mentor: Prof. Michael Gelfond of University of Texas at El Paso.

MSc/Diploma of Imperial College in Foundations of Advanced Information Technology

Imperial College of Science, Technology and Medicine, London (UK), February 1992.

Dissertation: *On the Temporal Aspects of Representing Legislation in Logic*.

Supervisor: Prof. M. J. Sergot.

Degree (with thesis) in *Scienze dell'Informazione* (Computer Science) Univ. of Milan, July 1990.

Dissertation: *The Visualization of Completion Procedures and of their Applications*³.

Supervisor: Prof. G. Degli Antoni.

²In Italian, English version also available.

³In Italian.

Journal Articles

- [J.20] P. De Meo, M. Levene, F. Messina and A. Provetti, 2019. The potential gain for effective computation of centrality in large graphs. *IEEE Transactions on Knowledge and Data Engineering*, provisionally accepted.
- [J.19] S. Agreste, P. De Meo, E. Ferrara, S. Piccolo A. Provetti, 2015. Trust Networks: Topology, Dynamics and Measurements. *IEEE Internet Computing*, Vol. 19:6, pp. 26–35. DOI: <http://dx.doi.org/10.1109/MIC.2015.93>
- [J.18] P. De Meo, E. Ferrara, G. Fiumara, and A. Provetti, 2014. On Facebook, most ties are weak. *Communications of the ACM*, Vol. 57:11, pp. 78–84. DOI: <http://dx.doi.org/10.1145/2629438>
- [J.17] S. Agreste, P. De Meo, E. Ferrara, S. Piccolo, and A. Provetti, 2015. Analysis of a heterogeneous social network of humans and cultural objects. *IEEE Trans. on Systems, Man and Cybernetics: Systems*, Vol. 45:4, pp. 559–570. DOI: <http://dx.doi.org/10.1109/TSMC.2014.2378215>
- [J.16] B. Bonasera, E. Ferrara, G. Fiumara, F. Pagano and A. Provetti, 2015. Adaptive search over sorted sets. *Journal of Discrete Algorithms*, Vol. 30, pp. 128–133. DOI: <http://dx.doi.org/10.1016/j.jda.2014.12.007>. Reviewed on MatSciNet: <http://www.ams.org/mathscinet-getitem?mr=3305156>
- [J.15] P. De Meo, E. Ferrara, G. Fiumara, and A. Provetti, 2014. Mixing local and global information for community detection in large networks. *J. of Computer and System Sciences*, Vol. 80:1, pp. 72–87. DOI: <http://dx.doi.org/10.1016/j.jcss.2013.03.012>.
- [J.14] M. Bernava, G. Fiumara, D. Maggiorini, L. Ripamonti and A. Provetti, 2014. RDF annotation of Second Life objects: Knowledge Representation meets Social Virtual reality. *Computational & Mathematical Organization Theory*, Vol. 20:1, pp. 20–35. DOI: <http://dx.doi.org/10.1007/s10588-012-9148-4>.
- [J.13] P. De Meo, E. Ferrara, G. Fiumara, and A. Provetti, 2013. Enhancing community detection using a network weighting strategy. *Information Sciences*, Vol. 222, pp. 648–668. DOI: <http://dx.doi.org/10.1016/j.ins.2012.08.001>
- [J.12] S. Costantini, G. De Gasperis, A. Provetti and P. Tsintza, 2013. A Heuristic Approach to Proposal-Based Negotiation: With Applications in Fashion Supply Chain Management. *Mathematical Problems in Engineering*, article no. 896312. DOI: <http://dx.doi.org/10.1155/2013/896312>
- [J.11] S. Costantini and A. Provetti, 2010. A Lower bound for Answer Set Computation. *Iberoamerican Journal of Artificial Intelligence*, Vol. 14:48, pp. 41–52. DOI: <http://dx.doi.org/10.4114/ia.v14i48.1630>.
- [J.10] G. Grossi, M. Marchi, E. Pontelli and A. Provetti, 2009. Experimental Analysis of Graph-based Answer Set Computation over Parallel and Distributed Architectures. *Journal of Logic and Computation*, Vol. 19:4, pp. 697–715. DOI: <http://dx.doi.org/10.1093/logcom/exn036>
- [J.9] G. Fiumara, M. Marchi and A. Provetti, 2008. Adaptive Web Data Extraction Policies. *AAPP — Physical, Mathematical, and Natural Sciences* 86(2):1–17. DOI: <http://dx.doi.org/10.1478/C1A0802011>

- [J.8] S. Costantini and A. Proveti, 2005. Normal Forms for Answer Set Programming. *Theory and Practice of Logic Programming*, 5(6):747–760. DOI: <http://dx.doi.org/10.1017/S1471068404002339>
- [J.7] S. Costantini, O. D’Antona and A. Proveti, 2002. On the equivalence and range of applicability of graph-based representations of logic programs. *Information Processing Letters*, 84(5):241–249. DOI: [http://dx.doi.org/10.1016/S0020-0190\(02\)00290-9](http://dx.doi.org/10.1016/S0020-0190(02)00290-9)
- [J.6] C. Baral, A. Gabaldon and A. Proveti, 1998. Formalizing Narratives Using Nested Circumscription. *Artificial Intelligence*, 104(1-2):107–164. DOI: [http://dx.doi.org/10.1016/S0004-3702\(98\)00070-8](http://dx.doi.org/10.1016/S0004-3702(98)00070-8)
- [J.5] C. Baral, A. Gabaldon and A. Proveti, 1998. Value minimization in Circumscription. *Artificial Intelligence*, 102(2):163–186. DOI:
- [J.4] C. Baral, M. Gelfond and A. Proveti, 1997. Representing Actions: Laws, Observations and Hypothesis. *Journal of Logic Programming*, 31(1-3):201–244. DOI: [http://dx.doi.org/10.1016/S0743-1066\(96\)00141-0](http://dx.doi.org/10.1016/S0743-1066(96)00141-0)
- [J.3] A. Proveti, 1996. Ordering Events: Intervals Are Sufficient, More General Sets Are Usually Not Necessary. *Reliable Computing (formerly Interval Computations)*, 2(3):321–327.
- [J.2] A. Proveti, 1996. Hypothetical Reasoning: From Situation Calculus to Event Calculus. *Computational Intelligence Journal*, 12(3):478–498. DOI: <http://dx.doi.org/10.1111/j.1467-8640.1996.tb00272.x>
- [J.1] I. Cervesato, A. Montanari and A. Proveti, 1993. On The Nonmonotonic Behavior of Event Calculi for Deriving Maximal Time Intervals. *Interval Computations*, 2:83–119.

Book chapters (peer reviewed)

- [B.1] S. Catanese, P. De Meo, E. Ferrara, G. Fiumara and A. Proveti, 2012. Extraction and Analysis of Facebook Friendship Relations In A. Abraham and A. E. Hassanien (eds.) *Computational Social Networks: Mining and Visualization, Vol. 3.*, pp. 291–324. Springer *Computer and Communication Networks* series. DOI: http://dx.doi.org/10.1007/978-1-4471-4054-2_12

Int'l Conference and Workshop Papers (peer reviewed)

- [C.56] P. De Meo, M. Levene and A. Provetti, 2019. Potential gain as a centrality measure. Proc. of IEEE/WIC/ACM Int'l Conference on Web Intelligence. IEEE Computer Society. <https://webintelligence2019.com/>
- [C.55] I. Pozzana, Y. Prifti and A. Provetti, 2019. On-line Page Scraping Reveals Evidence of Moderation in 4chan/pol/ Anonymous Discussion Threads Proc. of 3rd European Symposium on Societal Challenges in Computational Social Science. ETH Press <http://symposium.computationalsocialscience.eu/2019/>
- [C.54] A. Ballatore, A. Pang, I. Pozzana, Y. Prifti and A. Provetti, 2019. Geo-referencing as a connector between user reviews and urban environment quality 5th Int'l Conference on Computational Social Science (IC2S2) <https://www.ic2s2.org>
- [C.53] P. De Meo, I. Pozzana, Y. Prifti and A. Provetti, 2019. Gender bias in web-based, high-trust interactions 5th Int'l Conference on Computational Social Science (IC2S2) <https://www.ic2s2.org>
- [C.52] P. De Meo, I. Pozzana, Y. Prifti and A. Provetti, 2019. The dynamics of recommendation in high-trust personal care services 5th Int'l Conference on Computational Social Science (IC2S2) <https://www.ic2s2.org>
- [C.51] P. De Meo, I. Pozzana, Y. Prifti and A. Provetti, 2018. Finding Gender Bias in Web-based, High-trust Interactions Proc. of 2nd European Symposium on Societal Challenges in Computational Social Science. GeWISS reports. <http://symposium.computationalsocialscience.eu/2018/>
- [C.50] S. Agreste, P. De Meo, M. Marchi, M.F. Milazzo, S. Nunnari and A. Provetti, 2015. A case study on graph-based planning for emergency evacuation. Proc. of the 30-th Italian Conference on Computational Logic. Vol. 1459 of CEUR Workshop series, pp. 46–52. <http://ceur-ws.org/Vol-1459/>
- [C.49] N. Osman, A. Provetti, V. Riggi, C. Sierra, 2014. MORE: Merged Opinions Reputation Model. 12th European Conference on Multi-Agent Systems (EUMAS 2014). Springer LNAI Vol. 8953, pp. 676–81. DOI: http://dx.doi.org/10.1007/978-3-319-17130-2_5
- [C.48] P. De Meo, E. Ferrara, G. Fiumara and A. Provetti, 2014. Edge Weighting for Finding Communities in Networks. 5th Int'l Conf. on Applied Human Factors and Ergonomics (AHFE 2014). Post-proceedings by CRC Press/Taylor & Francis.
- [C.47] J. Lobo, M. Marchi and A. Provetti, 2012. Firewall Configuration Policies for the Specification and Implementation of Private Zones, Proc. of IEEE International Symposium on Policies for Distributed Systems and Networks (POLICY 2012) IEEE Conference Publishing Services, pp 78–85. DOI: <http://dx.doi.org/10.1109/POLICY.2012.14>
- [C.46] S. Costantini and A. Provetti, 2012. Conflict, Consistency and Truth-Dependencies in Graph Representations of Answer Set Logic Programs, In M. Croitoru, N. Rudolph and J. Wilson, S. Howse, O. Corby (eds.) Graph Structures for Knowledge Representation and Reasoning., 2nd Int'l Workshop (GKR 2011). Springer LNCS, Vol. 7205, pp. 68–90. DOI: http://dx.doi.org/10.1007/978-3-642-29449-5_3
Post-proceedings of GKR2011, an extended version of [PP.5].

- [C.45] P. De Meo, E. Ferrara, G. Fiumara and A. Provetti, 2011. Generalized Louvain Method for Community Detection in Large Networks, Proc. of the 11th Int'l Conf. on Intelligent Systems Design and Applications (ISDA 2011) IEEE Conference Publishing Services, pp. 88–93.
- [C.44] P. De Meo, E. Ferrara, G. Fiumara and A. Provetti, 2011. Improving Recommendation Quality by Merging Collaborative Filtering and Social Relationships, Proc. of the 11th Int'l Conf. on Intelligent Systems Design and Applications (ISDA 2011) IEEE Conference Publishing Services, pp. 587–592.
- [C.43] G. Fiumara, M. Marchi, R. Pagano, A. Provetti and N. Spada, 2011. A rule-based system for end-user e-mail annotations, Proc. of the 8th Annual Collaboration, Electronic messaging, Anti-Abuse and Spam Conference (CEAS '11) ACM Int'l Conference Proceedings Series, pp. 102–108.
- [C.42] S.A. Catanese, P. De Meo, E. Ferrara, G. Fiumara and A. Provetti, 2011. Crawling Facebook for social network analysis purposes, Proc. of the Int'l Conf. on Web Intelligence, Mining and Semantics (WIMS '11) ACM Press, pp 52:1–52:8. DOI: <http://dx.doi.org/10.1145/1988688.1988749>
- [C.41] M. Amalfi, A. Artale, A. Calì and A. Provetti, 2011. Generating preview instances for the Face validation of Entity-Relationship schemata: the acyclic case. Proc. of the Database Systems for Advanced Applications (DASFAA 2011) Conference, Vol. 2. Springer LNCS 6588, pp. 225–234.
- [C.40] A. Basile, M. R. Felice and A. Provetti, 2011. Formalization and Automated reasoning about a Complex Signalling Network. Proc. of the 26-th Italian Conference on Computational Logic. Vol. 810 of CEUR Workshop series, pp. 407–414.
- [C.39] S. Costantini and A. Provetti, 2010. Graph representations of logic programs: properties and comparison. Proc. of the 5th Latin-American Workshop on New forms of Reasoning (LANMR10). CEUR-WS series, Vol. 677, pp. 1–14.
- [C.38] G. Fiumara, D. Maggiorini, L.A. Ripamonti and A. Provetti, 2010 *Knowledge Representation in Virtual Teams: a perspective approach for synthetic worlds*. Proc. of 11th IFIP Wg 5.5 Working Conf. on Virtual Enterprises (PRO-VE'10). IFIP Advances in Information and Communication Technology 336, pp. 691–625, Springer.
- [C.37] G. Fiumara, M. Marchi, R. Pagano and A. Provetti, 2010. *Rule-Based Spam E-mail Annotation*. Proc. of *Web Reasoning and Rule Systems - 4th Int'l Conference, (RR 2010)*. Springer LNCS 6333, pp. 231–234.
- [C.36] S. Costantini and A. Provetti, 2009. A Lower bound for Answer Set Computation. Proc. of LANMR09, the 4th Latin-American Workshop on Nonmonotonic Reasoning. CEUR-WS series, Vol. 533, pp. 183–198 (a preliminary version of [J.11]) .
- [C.35] G. Pirrotta and A. Provetti, 2008. A Java Wrapper for Answer Set Programming Inferential Engines. Proc. of the 23-th Italian Conference on Computational Logic, pp. 284–298. <http://www.programmazione logica.it/2008/08/xxiii-v-cilc-2008-perugia-italy/>
- [C.34] G. Grossi, M. Marchi and A. Provetti, 2007 Improving the AdjSolver Algorithm for ASP Kernel Programs. Preprints of *The 4rd Int'l Workshop on Answer Set Programming (ASP07)*, pp.21–31.

- [C.33] G. Grossi, M. Marchi, E. Pontelli and A. Proveti, 2007. Experiments with Answer Set Computation over Parallel and Distributed Architectures. Preprints of *The 4rd Int'l Workshop on Answer Set Programming*, pp.7–20. A preliminary version of [J.10].
- [C.32] M. Amalfi, K. Lo Presti, A. Proveti, F. Salvetti, 2006. *Finding Instances of Deduction and Abduction in Clinical Experimental Transcripts*. Proc. of European conference on Artificial Intelligence (ECAI2006): 737-738.
- [C.31] F. de Cindio, G. Fiumara, M. Marchi, A. Proveti, L. A. Ripamonti, L. Sonnante, 2006. *Aggregating Information and Enforcing Awareness Across Communities with the Dynamo RSS Feeds Creation Engine: Preliminary Report*. Proc. of On The Move (OTM) Workshops (1): 227-236.
- [C.30] C. Bernardoni, G. Fiumara, M. Marchi and A. Proveti, 2006. *Declarative Web data extraction and annotation*. Proc. of 20th Workshop on Logic Programming (WLP 2006): 137-144.
- [C.29] S. Bossa, G. Fiumara and A. Proveti, 2006. *A Lightweight Architecture for RSS Polling of Arbitrary Web sources*. Proc. of Workshop on Objects and Agents (WOA 2006).
- [C.28] C. Bernardoni, M. Marchi and A. Proveti, 2005. *Declarative Web data extraction and annotation*. Submitted to the Semantic Web Policies Workshop (SWPW05). Part of the 4th Int'l Semantic Web Conference. Available from <http://mag.dsi.unimi.it/>
- [C.27] M. Marchi, A. Mileo and A. Proveti, 2005. *Declarative Policies for Web Service Selection*. Poster in Proc. of 6th IEEE International Workshop on Policies for Distributed Systems and Networks (POLICY 2005). IEEE press, pp. 239–242.
- [C.26] E. Bertino, A. Mileo and A. Proveti, 2005. *PDL with Preferences*. Proc. of IEEE 6th Int'l Workshop on Policies for Distributed Systems and Networks (POLICY05). IEEE Press, pp. 213–222.
- [C.25] L. Padovani and A. Proveti, 2004. *Qsmodels: ASP Planning in Interactive Gaming Environment*. Proc. of Logic in Artificial Intelligence, 9th European Conference, (JELIA 2004). Springer LNCS 3229, pp. 689–692.
- [C.24] M. Marchi, A. Mileo and A. Proveti, 2004. *Specification and execution of Policies for Grid Service Selection*. In Proc. of *European Conference on Web Services (ECOWS'04)*. Springer LNCS 3250, pp 102–115. Available from <http://mag.dsi.unimi.it/PPDL/>
- [C.23] E. Bertino, A. Mileo and A. Proveti, 2003. *PDL with Maximum Consistency Monitors*. Proc. of *Int'l Symposium on Methodologies for Intelligent Systems (ISMIS 2003)*. Springer LNCS 2871, pp. 65–74. Available from <http://mag.dsi.unimi.it/PPDL/>
- [C.22] E. Bertino, A. Mileo and A. Proveti, 2003. *Policy Monitoring with User-Preferences in PDL*. In F. Buccafurri (editor) Proc. of *Joint Conference On Declarative Programming*. Univ. of Reggio Calabria Press, pp. 110–122. This article is a revised version of [C.19]
- [C.21] E. Bertino, A. Proveti and F. Salvetti, 2003. *Answer Set Programming for the Semantic Web* In F. Buccafurri (editor) Proc. of *Joint Conference On Declarative Programming*. Univ. of Reggio Calabria Press, pp. 314–323.
- [C.20] S. Costantini, B. Intrigila and A. Proveti, 2003. *Coherence of Updates in Answer Set Programming*. Proc. of *Nonmonotonic Reasoning, Action and Change (NRAC 2003)* Workshop. IJCAI Press, KRR-4 report, pp. 66–72.

- [C.19] E. Bertino, A. Mileo and A. Provetti, 2003. *Policy Monitoring with User-Preferences in PDL*. Proc. of *Nonmonotonic Reasoning, Action and Change (NRAC 2003)* Workshop. IJCAI Press, KRR-4 report, pp. 37–44.
- [C.18] S. Costantini, R. P. Otero, A. Provetti and S. Tran Cao, 2002. Disjunctive Logic Programs with Inheritance Revisited. Proc. of *ISMIS 2003* Conference. Springer LNCS 2366, pp. 294–302.
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- [C.16] A. Provetti and L. Tari, 2000. Answer Sets Computation by Genetic Algorithms, Preliminary Report. Proc. of *Genetic and Evolutionary Computation (GECCO 2000)*, "Late breaking papers" track. pp. 303–308.
- [C.15] M. Balduccini, G. Brignoli, G. Lanzarone, F. Magni and A. Provetti, 2000. Experiments in Answer Sets Planning. Proc. of *Mexican International Conference on Artificial Intelligence (MICA 2000)* Springer LNAI 1793, pp. 197–201.
- [C.14] G. Brignoli, S. Costantini, O. D'Antona and A. Provetti, 1999. Characterizing and computing stable models of logic programs: the non-stratified case. Proc. of *Conference on Information Technology (CIT'99)*, pp. 197–201 <http://arxiv.org/abs/1402.5436>
- [C.13] G. A. Lanzarone and A. Provetti, 1998. Processing temporal and atemporal declarative knowledge in metalogic programming. *Joint Conference on Declarative Programming (APPIA-GULP-PRODE'98)*, pp. 201–214.
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