

Curriculum vitae of MATTEO CRISTANI

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EDUCATION AND TRAINING

Place of Study	Dates	Qualification
University of Milan	19.07.1991	Laurea degree (equivalent to a Master of Science)
University of Padua	23.10.1995	Doctorate in Information Engineering

WORK RELATED TRAINING

Organising Body	Dates	Course Title/Subject
University of Padua	1.1.1996- 15.4.1997	Post-doctoral studies: TEMPORAL AND SPATIAL KNOWLEDGE REPRESENTATION

PRESENT EMPLOYMENT

Job Title: Researcher	
Date Commenced: 16.4.1997	Notice required: Negotiable (in principle 14 days, may be longer depending upon duties.)
Employer's Name and Address and Nature of Business: Università degli Studi di Verona Via dell'Artigliere, 8 37122 VERONA (Education, Public)	

DUTIES

RESEARCH: Performing scholarly studies in the wide field of Computer Science and Information Engineering and Technology

TEACHING: Logic (First Year of Bachelor degree), Semantic Web (First Year of Master Course). Supervision of 7-10 Master Theses a year; Supervision of 1-3 PhD Students a year.

ADMINISTRATION: Relation manager for the collaboration with the Griffith University (Australia), Wenzhou University (China).

PROFESSIONAL DUTIES: Scientific Manager of four national projects, National Expert for the TUO00801 Cost Action, Scientific Consultant for three Companies, Member of the programme committee of eleven international conferences, Co-chair of three workshops, reviewer of seven International Journals.

PREVIOUS EMPLOYMENT

From/To Month/Year	Employer's Name, Location and Nature of Business	Job Title, outline of duties and reason for leaving – If part-time, state hours worked
1997 -	University of Verona	Researcher Note: in the Italian system, "Researcher" also has teaching duties)
1.1.2004-30.6.2004	University of Leeds	University teacher. Part-time, 30 hours a week. Main duties were teaching a course on Technology for Knowledge Discovery, and doing research within the Qualitative Spatial Reasoning research group, led by Professor Tony Cohn.

ADDITIONAL INFORMATION

RESEARCH APPROACH:

My major interest is Artificial Intelligence, specifically Knowledge Representation, Data Mining and Natural Language Processing.

Artificial intelligence is divided in two main research approaches: weak and strong. The strong approach aims at building a computer technology able to behave and reason like a human being. The weak approach, instead, looks for useful application of problem solving abilities that humans exhibit. Knowledge representation can be viewed as a part of the weak approach, and looks for solution of the Representation problem, namely the way in which information about a structured aspect of data is generated, formalised and used.

My approach is weak. I am specifically interested in *applied artificial intelligence*, and in particular *applied knowledge representation*, *data mining applications to energy saving and other engineering fields* and *applications of NLP, specifically to social networks*. This means that my investigations tend to look for solutions to real-life problems, by means of sophisticated software solutions that make use of artificial intelligence and knowledge representation techniques.

My typical approach to research problems is threefold:

- Theoretical investigation. I aim at understanding in deep way the *cognitive aspects* of a reasoning task. This leads to the need for the development of *logical frameworks*;
- Experimental studies. These are twofold: (i) studies aiming at understanding an application domain in terms of data analysis, and (ii) studies looking for comparison of an algorithmic technique by means of a *gold standard*, namely a test performed against human subjects;

- c) Prototype development. The experimental work is empty if it does not bring the solution onto a *proof of concept*, that is always a real-life application, that in research means a technological prototype developed for proving that the algorithms developed in the investigation can be used in practice.

Since I have been performing several investigations on these topics in the past I have changed approaches along time, in order to be conform to the market standard, and guaranteeing therefore the meaningfulness of the investigation for possible investors.

My recent settings are that I work with Python and the R language (or alternatively Java, Matlab, depending on the project) for the experimental development, whilst the configuration of the prototype is usually based on web framework, with a recent preference on Liferay and Angular.

Latest development hardware and operating system configuration we employ is a GPU P101 on 16 Gb Nvidia on a Server configuration that we denominate Knowledge Extractor Server. We have been using GATE (Sheffield University, java-based) and SpaCy (Stanford University, Python) as developing frameworks for algorithm testing on massive datasets. Generally, the Java technologies are more adapt to test on big sets of small sizes, such as texts on Social Networks, whilst for longer texts we prefer Python-based frameworks. Gate makes use of a grammar-based detection classifier that requires hand-setting, but is forwardly very useful in social network tests, whilst deep-learning frameworks such as Keras and Tensorflow can be very strongly employed in tests on SpaCy.

RESEARCH ACHIEVEMENTS

My current indices on Scopus are h-index 9, with 351 citation on 65 documents.

My publication history had covered a few areas of Artificial Intelligence. I started with early investigations on Temporal Reasoning, and then on Spatial Reasoning, an interest that lasted until 2009, and I consider still alive. The major theme of this study had been the *Spatial Knowledge Representation*.

Further on, I developed an interest in the theme of Natural Language Processing that I dealt with originally in my Master Thesis, and then developed in the 2000 years. This interest had brought me to deal with theoretical frameworks for logical approaches to the problems of reasoning arisen by Natural Language Processing, specifically themes of Meaning Negotiation and Non-monotonic Reasoning.

I then made my interests more concrete and investigated Energy saving and Document analysis, two themes where data mining and Natural Language Processing meet.

SUPERVISIONS:

I am currently supervising Katia Santacà.

My PhD students have been

Eisa Karafili (2014)
TOPIC: Privacy and collaboration systems

Francesco Olivieri (2014)
TOPIC: Business process update under compliance

Simone Scannapieco (2014)
TOPIC: Business process revision under compliance

Claudio Tomazzoli (2014)
TOPIC: Image and text compound retrieval

Elisa Burato (2010)
TOPIC: Meaning Negotiation.

Nicoletta Gabrielli (2009)
TOPIC: Spatial Reasoning with Description Logic

Francesco and Simone were under a co-tutoring agreement with Griffith University (Brisbane, Australia).

UNIVERSITY DUTIES:

MANAGERIAL ACTIVITIES

I am responsible for co-tutoring agreements with the Griffith University (Australia).
I have been delegate for relationships with the University of Wenzhou (China).
I have been delegate for the relationships with Rotary clubs.

I am responsible of the research group "Knowledge representation and applied Intelligence".

PROFESSIONAL DUTIES:

CONFERENCE CHAIRS

2020
Conference chair of Knowledge Engineering Society annual conference.

2019
Workshop chair of KDWEB 2019

2018

Workshop chair of KDWEB 2018

2016

Workshop co-chair KDWEB Knowledge Discovery on the Web

2006

Workshop co-chair "Formal ontologies meet industry", Trento

2005

Workshop chair "Formal ontologies meet industry", Verona

2002

Workshop chair of the "Semantic web workshop" KR 2002

2001

Workshop co-chair "Spatial vagueness, uncertainty and granularity", FOIS 2001

CONFERENCE PROGRAM COMMITTEES

2019

Committee of ICAART 2019

Committee of AMSTA 2019

Committee of IDT 2019

2018

Committee of ICAART 2018

Committee of AMSTA 2018

Committee of IDT 2018

2017

Committee of ICAART 2017

Committee of KDWEB 2017

2016

Committee of ICAART 2016

Committee of RuleML 2016

2015

Committee of KES-AMSTA 2015

Committee of RuleML 2015

Committee of ICAART 2015

2014

Committee of KES-AMSTA 2014

Committee of RuleML 2014

Committee of ICAART 2014

2013

Committee of KES-AMSTA 2013

Committee of RuleML 2013

Committee of SecoGIS 2013

2012

Committee of KES-AMSTA 2012

Committee of RuleML 2012

Committee of RuleML Challenge 2012

2011

Committee of KES-AMSTA 2011

Committee of RuleML 2011

Committee of RuleML Challenge 2011

2010
Committee of KES-AMSTA 2010
Committee of RuleML 2010
Committee of RuleML Challenge 2010
Committee of FOIS 2010
Committee of CLIMA XI

2009
Committee of FOIS 2009
Committee of FOMI 2009

2008
Committee of FOMI 2008
Committee of SWAE 2008
Committee of SWEA 2008

2007
Committee of COSIT'07

2006
Committee of FOIS 2006

2005
Committee of COSIT'05

PROJECT MANAGEMENT AND RESEARCH FUND:

INTERNATIONAL PROJECTS

Italian nominated National Expert in COST ACTION TU0801 "Semantic enrichment of 3D city models for sustainable urban development" [DIRECT COST SUPPORT]

Consultant and appointee TASK LEADER for "Intelligent system technologies" in the RTD Fifth framework Program project UPTUN (Upgraded Tunnels) (25000 €)

NATIONAL PROJECTS

1. Member of Verona Unit of PRIN 2012 (Prof. Luca Viganò) SECURITY HORIZONS (113000 €)
2. Member of Turin unit of COFIN 2004 Project (Prof. Leonardo Lesmo) AXION (28000 €)
3. Member of Verona Unit of COFIN 2002 (Prof. Roberto Giacobazzi) COVER (24000 €)
4. Member of Verona unit of COFIN 2001 (Prof. Corrado Priami) MEFISTO (24000 €)
5. Member of Verona unit of COFIN 1997 (Prof. Letizia Tanca) Metodologie e Tecnologie per le reti Internet ed Intranet (32000 €)

INDUSTRIAL PROJECTS

Principal investigator in Industrial projects:

1. 2018-2019 Google grant project with Athesis (€ 400.000)
2. 2017-2019 Industrial Project with IUNGO on Natural Language Processing techniques for document analysis (€ 300000)
3. 2016 Industrial Project with SORDATO s.r.l. about Intelligent Technologies in SCADA systems (€ 55000)
4. 2015 Industrial Project Pool with Regione Veneto about Intelligent Technologies in LEAN production (€ 26000)
5. 2014 Industrial Project Pool with Regione Veneto about Intelligent Technologies in LEAN production (€ 23000)
6. 2013 Industrial Project with the Regione Sardegna about Intelligent Technologies for a Low Carbon Economy (€ 50000)
7. 2013 Industrial Project with Studio C Group on the Mobile Ontology Service Oriented Architectures (€ 40000)
8. 2013 Industrial Project with Real T s.r.l. on the Semantic Web of Things (€45000)

9. 2011 Industrial Project with EPyDoc on Document Workflow management – six months (11.000 €)
10. 2009-2010 Industrial Project with Real T s.r.l. on Intelligent Document Analysis (60.000 €)
11. 2009-2010 Joint Project (University co-financing) with Poste Italiane (Italian Mail) on Intelligent data mining for postal address match (40.000 €)
12. 2008-2010 National industrial project “The web of taxes” on Web Information Retrieval of Tax Data with the Italian Trade Unions (90.000 €)
13. 2008-2009 Industrial project with Poste Italiane on Ontological Systems for managing address data (25000 €)
14. 2008 Industrial project with AluK Group s.p.a. on Intelligent Technologies for ERP (20000 €)
15. 2007-2008 Industrial project with AluK Group s.p.a. on Web-based Systems for intelligent retrieval of CAD Documents (32000 €)
16. 2007 Industrial project with Poste Italiane on Ontology-Driven Duplicate Elimination (34000 €)
17. 2007 Industrial project with SIA s.r.l. on Ontology-Driven Data Compression in SCADA Systems (25000 €)
18. 2005 Industrial project with Creative consulting s.p.a. on Text mining for item deproliferation (43000 €)
19. 2004 Industrial project with Creative consulting s.p.a. on Ontological Systems for Cost Management (36000 €)
20. 2003 Industrial project with ACP s.r.l. on Ontologies and text mining (36000 €)

OTHER ACTIVITIES

I am member of the Rotary Club Verona Scaligero since 2005. I have been serving as Delegate for Rotaract (The Young Adult Club) since 2006.

I am an active member of CICAP (Comitato Italiano per il Controllo delle Affermazioni sul Paranormale – Italian committee for the control on the assertions about paranormal activities).

PUBLISHED PAPERS:

- Cristani, M., Bertolaso, A., Scannapieco, S., Tomazzoli, C.
Future paradigms of automated processing of business documents
(2018) *International Journal of Information Management*, 40, pp. 67-75.
- Cristani, M., Olivieri, F., Tomazzoli, C., Zorzi, M.
Towards a logical framework for diagnostic reasoning
(2018) *Smart Innovation, Systems and Technologies*, 96, pp. 144-155.
- Tomazzoli, C., Cristani, M., Scannapieco, S., Olivieri, F.
Automatic detection of device types by consumption curve
(2018) *Smart Innovation, Systems and Technologies*, 96, pp. 164-174.
- Cristani, M., Olivieri, F., Tomazzoli, C., Governatori, G.
Sending messages in social networks
(2018) *Smart Innovation, Systems and Technologies*, 96, pp. 123-133.
- Cristani, M., Olivieri, F., Rotolo, A.
Changes to temporary norms
(2017) *Proceedings of the International Conference on Artificial Intelligence and Law*, pp. 39-48.
- Cristani, M., Rotolo, A.
Meaning negotiation with defeasible logic
(2017) *Smart Innovation, Systems and Technologies*, 74, pp. 67-76.
- Santacà, K., Cristani, M., Rocchetto, M., Viganò, L.
A topological categorization of agents for the definition of attack states in multi-agent systems
(2017) *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 10207 LNAI, pp. 261-276.
- Tomazzoli, C., Cristani, M., Karafili, E., Olivieri, F.
Non-monotonic reasoning rules for energy efficiency
(2017) *Journal of Ambient Intelligence and Smart Environments*, 9 (3), pp. 345-360.
- Cristani, M., Olivieri, F., Tomazzoli, C.
Viral experiments
(2017) *CEUR Workshop Proceedings*, 1959.
- Tomazzoli, C., Storti, S.F., Galazzo, I.B., Cristani, M., Menegaz, G.
The brain is a social network
(2017) *CEUR Workshop Proceedings*, 1959.
- Cristani, M., Olivieri, F., Tomazzoli, C.
Automatic synthesis of best practices for energy consumptions
(2016) *Proceedings - 2016 10th International Conference on Innovative Mobile and Internet Services in Ubiquitous Computing, IMIS 2016*, art. no. 7794456, pp. 154-161.
- Cristani, M., Tomazzoli, C., Karafili, E., Olivieri, F.
Defeasible reasoning about electric consumptions
(2016) *Proceedings - International Conference on Advanced Information Networking and Applications, AINA, 2016-May*, art. no. 7474183, pp. 885-892.
- Governatori, G., Olivieri, F., Scannapieco, S., Rotolo, A., Cristani, M.
The rationale behind the concept of goal
(2016) *Theory and Practice of Logic Programming*, 16 (3), pp. 296-324.

- Cristani, M., Tomazzoli, C.
A multimodal approach to relevance and pertinence of documents
(2016) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 9799, pp. 157-168.
- Cristani, M., Tomazzoli, C., Olivieri, F.
Semantic social network analysis foresees message flows
(2016) ICAART 2016 - Proceedings of the 8th International Conference on Agents and Artificial Intelligence, 1, pp. 296-303.
- Cristani, M., Fogoroasi, D., Tomazzoli, C.
Measuring homophily
(2016) CEUR Workshop Proceedings, 1748, .
- Governatori, G., Olivieri, F., Calardo, E., Rotolo, A., Cristani, M.
Sequence semantics for normative agents
(2016) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 9862 LNCS, pp. 230-246.
- Cristani, M., Karafili, E., Tomazzoli, C.
Improving energy saving techniques by ambient intelligence scheduling
(2015) Proceedings - International Conference on Advanced Information Networking and Applications, AINA, 2015-April, art. no. 7097987, pp. 324-331.
- Olivieri, F., Cristani, M., Governatori, G.
Compliant business processes with exclusive choices from agent specification
(2015) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 9387, pp. 603-612.
- Abdulhak, S.A., Riviera, W., Zeni, N., Cristani, M., Ferrario, R., Cristani, M.
Semantic-analysis object recognition: Automatic training set generation using textual tags
(2015) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 8926, pp. 309-322.
- Cristani, M., Karafili, E., Tomazzoli, C.
Energy saving by ambient intelligence techniques
(2014) Proceedings - 2014 International Conference on Network-Based Information Systems, NBiS 2014, art. no. 7023948, pp. 157-164.
- Cristani, M., Tomazzoli, C.
A multimodal approach to exploit similarity in documents
(2014) Lecture Notes in Artificial Intelligence (Subseries of Lecture Notes in Computer Science), 8481, pp. 490-499.
- Governatori, G., Olivieri, F., Scannapieco, S., Cristani, M.
The hardness of revising defeasible preferences
(2014) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 8620 LNCS, pp. 168-177.
- Cristani, M., Karafili, E., Viganò, L.
Tableau systems for reasoning about risk
(2014) Journal of Ambient Intelligence and Humanized Computing, 5 (2), pp. 215-247.
- Governatori, G., Olivieri, F., Scannapieco, S., Rotolo, A., Cristani, M.
Strategic argumentation is NP-complete
(2014) Frontiers in Artificial Intelligence and Applications, 263, pp. 399-404.

- Scannapieco, S., Governatori, G., Olivieri, F., Cristani, M.
A methodology for plan revision under norm and outcome compliance
(2013) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 8291 LNAI, pp. 324-339.
- Olivieri, F., Governatori, G., Scannapieco, S., Cristani, M.
Compliant business process design by declarative specifications
(2013) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 8291 LNAI, pp. 213-228.
- Governatori, G., Olivieri, F., Rotolo, A., Scannapieco, S., Cristani, M.
Picking up the best goal an analytical study in defeasible logic
(2013) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 8035, pp. 99-113.
- Cristani, M., Karafili, E., Viganò, L.
A complete tableau procedure for risk analysis
(2013) 2013 International Conference on Risks and Security of Internet and Systems, CRiSIS 2013, art. no. 6766351,.
- Burato, E., Cristani, M.
The process of reaching agreement in meaning negotiation
(2012) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 7270 LNCS, pp. 1-42.
- Cristani, M., Karafili, E., Viganò, L.
Towards a logical framework for reasoning about risk
(2012) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 7465 LNCS, pp. 609-623.
- Governatori, G., Olivieri, F., Scannapieco, S., Cristani, M.
Designing for compliance: Norms and goals
(2011) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 7018 LNCS, pp. 282-297.
- Cristani, M., Karafili, E., Viganò, L.
Blocking underhand attacks by hidden coalitions
(2011) ICAART 2011 - Proceedings of the 3rd International Conference on Agents and Artificial Intelligence, 2, pp. 311-320.
- Burato, E., Cristani, M., Viganò, L.
A deduction system for meaning negotiation
(2011) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 6619 LNAI, pp. 78-95.
- Cristani, M., Cuel, R.
Domain ontologies
(2010) Encyclopedia of Knowledge Management, 1, pp. 218-228.
- Cristani, M., Gabrielli, N.
An intelligent system for gathering rates of local taxes on the web
(2010) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 6096 LNAI (PART 1), pp. 195-204.
- Governatori, G., Olivieri, F., Scannapieco, S., Cristani, M.
Superiority based revision of defeasible theories
(2010) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 6403 LNCS, pp. 104-118.

- Cristani, M., Gabrielli, N.
Practical issues of description logics for spatial reasoning
(2009) AAAI Spring Symposium - Technical Report, SS-09-02, pp. 5-10.
- Burato, E., Cristani, M.
Learning as meaning negotiation: A model based on English auction
(2009) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 5559 LNAI, pp. 60-69.
- Cristani, M., Majorana, C.E., Salomoni, V.A.
Knowledge Representation issues in structural engineering: A framework for application in the case of structures in healthcare
(2009) International Journal of Technology Management, 47 (1-3), pp. 207-238.
- Cristani, M., Burato, E.
A complete classification of ethical attitudes in multiple agent systems
(2009) Proceedings of the International Joint Conference on Autonomous Agents and Multiagent Systems, AAMAS, 2, pp. 1122-1123.
- Cristani, M., Burato, E.
Approximate solutions of moral dilemmas in multiple agent system
(2009) Knowledge and Information Systems, 18 (2), pp. 157-181.
- Cristani, M., Burato, E., Gabrielli, N.
Ontology-driven compression of temporal series: A case study in SCADA technologies
(2008) Proceedings - International Workshop on Database and Expert Systems Applications, DEXA, art. no. 4624806, pp. 734-738.
- Cristani, M., Gugole, A.
Ontology-driven approximate duplicate elimination of postal addresses
(2008) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 5027 LNAI, pp. 415-424.
- Cristani, M., Burato, E.
Modelling social attitudes of agents
(2007) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 4496 LNAI, pp. 63-72.
- Burato, E., Cristani, M.
Contract clause negotiation by game theory
(2007) Proceedings of the International Conference on Artificial Intelligence and Law, pp. 71-80.
- Cristani, M., Cuel, R.
A survey on ontology creation methodologies
(2006) Semantic Web-Based Information Systems: State-of-the-Art Applications, pp. 98-122.
- Bellomi, F., Cristani, M.
Supervised document classification based upon domain-specific term taxonomies
(2006) International Journal of Metadata, Semantics and Ontologies, 1 (1), pp. 37-46.
- Cristani, M., Majorana, C.E., Salomoni, V.
Representation of the geometry of tunnels in description logic
(2006) Proceedings of the 5th International Conference on Engineering Computational Technology, 11 p.
- Cristani, M., Gabrielli, N., Torelli, P.
Topological reasoning in basic description logics
(2006) CEUR Workshop Proceedings, 189, pp. 257-258.

- Cristani, M.
Ontologies and e-learning: How to teach a classification
(2005) Intelligent Learning Infrastructure for Knowledge Intensive Organizations: A Semantic Web Perspective, pp. 345-356.
- Cristani, M., Cuel, R.
Domain ontologies
(2005) Encyclopedia of Knowledge Management, pp. 137-144.
- Bellomi, F., Cristani, M., Cuel, R.
A cooperative environment for the negotiation of term taxonomies in digital libraries
(2005) Library Management, 26 (4-5), pp. 271-280.
- Cristani, M., Cuel, R.
A survey on ontology creation methodologies
(2005) International Journal on Semantic Web and Information Systems, 1 (2), pp. 49-69.
- Cristani, M., Majorana, C.E., Salomoni, V.
Web-based tunnel upgrading
(2005) Civil-Comp Proceedings, 82.
- Cristani, M., Majorana, C.E., Salomoni, V.
Tunnels in an ontological perspective
(2005) Civil-Comp Proceedings, 82.
- Borgo, S., Cristani, M., Cuel, R.
Formal ontology meets industry
(2005) Applied Ontology, 1 (3-4), pp. 217-220.
- Cristani, M., Hirsch, R.
The complexity of constraint satisfaction problems for small relation algebras
(2004) Artificial Intelligence, 156 (2), pp. 177-196.
- Cristani, M., Bellomi, F.
Fundamental Issues of Aesthetic Knowledge Representation
(2004) Frontiers in Artificial Intelligence and Applications, 110, pp. 313-317.
- Bennett, B., Cristani, M.
Editorial
(2003) Spatial Cognition and Computation, 3 (2-3), pp. 93-96.
- Cristani, M., Khoury, G.A., Majorana, C.E.
The control of upgrade activities for long tunnels by an intelligent system
(2003) Civil-Comp Proceedings, 78.
- Cristani, M., Cohn, A.G.
SpaceML: A mark-up language for spatial knowledge
(2002) Journal of Visual Languages and Computing, 13 (1), pp. 97-116.
- Cristani, M.
The Complexity of Reasoning about Spatial Congruence
(1999) Journal of Artificial Intelligence Research, 11, pp. 361-390.
- Gerevini, A., Cristani, M.
On finding a solution in temporal constraint satisfaction problems
(1997) IJCAI International Joint Conference on Artificial Intelligence, 2, pp. 1460-1465.