

Maria Luisa Sapino

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POSITION

(Oct 07 - Present) Professor of Computer Science - University of Torino and Adjunct Professor at Arizona State University

(Oct 01 - Sept 07) Associate Professor of Computer Science - University of Torino

(Nov 92 - Sept 01) Researcher (i.e, Assistant professor, tenured since 1995) of Computer Science - University of Torino

(1988) Researcher at the RAI Television Research center in Torino.

EDUCATION

(Nov 88 – Oct 92) University of Torino Ph.D. in Computer Science

Advisor: Prof. Alberto Martelli

Thesis: Extensions and Applications of Negation As Failure in Logic Programming

(Nov82 - July 87) University of Torino (Ankara, Turkey)

B.S. in Computer Sciences

ACADEMIC EXPERIENCE

(Nov 92 - Present) –University of Torino

2011/12 Multimedia Databases (Basi di dati multimediali)-Graduate (Computer Science, 90 hours)

2011/12 Introduction to geographical data management (Informatica ed elementi di fotointerpretazione)
- Undergraduate(Geology, 34 hours)

2010/11 Multimedia Databases -Graduate (Computer Science, 90 hours)

2009/10 Multimedia Databases -Graduate (Computer Science, 90 hours)

2009/10 Introduction to geographical data management (Geology, 34 hours)

2008/09 Multimedia Databases -Graduate (Computer Science, 60 hours)

2008/09 Introduction to database systems - Undergraduate(Computer Science 60 hours)

2007/08 Multimedia Databases -Graduate (Computer Science, 60 hours)

2007/08 Introduction to database systems - Undergraduate(Computer Science, 60 hours)

2006/07 Sabbatical at Arizona State University

2005/06 Multimedia Databases -Graduate (Computer Science, 54 hours)

2005/06 Introduction to formal languages and compilers - Undergraduate(Computer Science 54 hours)

2005/06 Introduction to computer science - Undergraduate(Psychology 40 hours)

2004/05 Multimedia Databases -Graduate (Computer Science, 54 hours)

2004/05 Introduction to formal languages and compilers Undergraduate(Comp. Science, 54 hours)

2003/04 Multimedia Databases -Graduate (Computer Science, 54 hours)

2003/04 Introduction to formal languages and compilers Undergraduate(Comp. Science, 54 hours)

2002/03 Programming – Part I (introduction to Java) Undergraduate(Comp. Science, 54 hours)

2002/03 Introduction to formal languages and compilers Undergraduate(Comp. Science, 54 hours)

2002/03 Multimedia Databases PhD Course (Comp. Science, 20 hours)

2001/02 Programming – Part I (introduction to Java) Undergraduate(Comp. Science, 54 hours)

2001/02 Introduction to computer science Undergraduate(Communication Science, 60 hours)

2001/02 Multimedia Databases PhD Course (Comp. Science, 20 hours)

2000/01 Introduction to database systems Undergraduate(Comp. Science, 54 hours)

2000/01 Introduction to computer science Undergraduate(Communication Science, 60 hours)

1999/00 Introduction to database systems Undergraduate(Comp. Science, 54 hours)

1999/00 Introduction to computer science Undergraduate(Communication Science, 60 hours)

1998/99 Algorithms and Data Structures (Lab) Undergraduate(Comp. Science, 54 hours)

1998/99 Compilers (Lab.) Undergraduate(Comp Science, 60 hours)

1997/98 Algorithms and Data Structures (Lab) Undergraduate(Comp. Science, 54 hours)
1997/98 Programming (in Pascal) – part II Undergraduate(Comp Science in Alessandria, 48 hours)
1996/97 Algorithms and Data Structures (Lab) Undergraduate(Comp. Science, 54 hours)
1996/97 Programming (in Pascal) – part II Undergraduate(Comp Science in Alessandria, 48 hours)
1995/96 Formal languages and compilers - Lab - Undergraduate(Computer Science, 30 hours)
1994/95 Formal languages and compilers - Lab - Undergraduate(Computer Science, 30 hours)
1993/94 Programming languages – Lab. on Scheme Language - Undergraduate(Comp. Science, 30 hours)
1992/93 Programming languages – Lab. on Scheme Language - Undergraduate(Comp. Science, 30 hours)

INDUSTRIAL EXPERIENCE

(1988) Researcher at RAI Research Center (Research on High Definition Television)

PRINCIPAL AREAS OF RESEARCH AND TEACHING

Teaching

Multimedia data indexing, retrieval, and query processing

Database management systems

Formal Languages and Compilers

Research

Management of multimedia, text, and Web data

Database systems

Multimedia systems

Integration and query processing in the presence of conflicts and imprecision

Assistive technologies for information and data access

Security and privacy of data

Logic Programming

Non Monotonic Reasoning

BOOKS and PROCEEDINGS

K. Selcuk Candan and Maria Luisa Sapino. *Data Management for Multimedia Retrieval*, Cambridge University Press, ISBN-10: 0521887399, ISBN-13: 978-0521887397, May 31, 2010.

Maria Luisa Sapino and Prashant Shenoy – Proceedings of the 10th International Workshop on Multimedia Systems, 2004

JOURNAL PUBLICATIONS

Mario Cataldi, K. Selçuk Candan, Maria Luisa Sapino: Narrative-based taxonomy distillation for effective indexing of text collections. *Data & Knowledge Engineering* (72) pp. 103-125, 2012

K. Selçuk Candan, Luigi Di Caro, Maria Luisa Sapino: PhC: Multiresolution Visualization and Exploration of Text Corpora with Parallel Hierarchical Coordinates. *ACM TIST* 3(2), pp. 22:1-22:36, 2012

Claudio Schifanella, Maria Luisa Sapino, K. Selçuk Candan: On context-aware co-clustering with metadata support. *J. Intelligent Information System* 38(1), pp. 209-239, 2012.

P. Shakarian, V.S. Subrahmanian, and M.L. Sapino. GAPS: Geospatial Abduction Problems. Accepted to *ACM Transactions on Intelligent Systems and Technology - ACM TIST* 3(1), pp. 7:1-7:27, 2011

Luigi Di Caro, Kasim Selcuk Candan, and Maria Luisa Sapino. Navigating within News Collections using Tag-Flakes. *Journal of Visual Languages and Computing*, 22(2), pp. 120-139, 2011.

K. Selcuk Candan, Mehmet Donderler, Terri Hedgpeth, Jong Wook Kim, Qing Li, and Maria Luisa Sapino. SEA: Segment-Enrich-Annotate Paradigm for Adapting Digital Content for Improved Accessibility. *ACM Transactions on Information Systems*, Volume 27, Issue 3, July 2009.

K. Selcuk Candan, Huiping Cao, Yan Qi, and Maria Luisa Sapino. System Support for Exploration and Expert Feedback in Resolving Conflicts during Integration of Metadata. *The International Journal on Very Large Data Bases*, Volume 17, Issue 6, pp. 1407-1444, November 2008.

M.L.Sapino, K.S. Candan, J.W.Kim, and F. Antonelli. Annotating Educational Discussion Boards to Help Students who are Blind. *International Journal of Continuing Education and Life-Long Learning*. Vol. 17, No.4/5 pp. 294 - 318, 2007.

M.Fayzullin, V.S. Subrahmanian, A.Picariello, and M.L. Sapino. The CPR Model for Summarizing Video. *Multimedia Tools and Applications*, 26(2):153-173, June 2005.

S.Adali, C.Bufi, and M.L. Sapino. Ranked Relations: Concepts, Applications and Query Languages for Multimedia. *Multimedia Tools and Applications*, 24(3):197-214, December 2004.

A.Celentano, O.Gaggi, and M.L. Sapino. Retrieval in multimedia presentations. *ACM Multimedia Systems Journal*, 10(1):77-82, July 2004.

A.Chianese, A.Picariello, L.Sansone, and M.L. Sapino. Managing Uncertainties in Image Databases: a fuzzy approach. *Journal of Multimedia Tools and Applications*, 23:237-252, 2004.

S.Jajodia, P.Samarati, M.L. Sapino, and V. S. Subrahmanian. Flexible Support for Multiple Access Control Policies. *ACM Transactions on Database Systems*, 26(2):214-260, June 2001.

E. Bertino, P. Bonatti, E. Ferrari, and M.L. Sapino. Temporal Authorization Bases: from Specification to Integration. *Journal of Computer Security*, 2000.

D.M. Gabbay, L. Giordano, A. Martelli, N. Olivetti, and M.L. Sapino. Conditional Reasoning in Logic Programming. *Journal of Logic Programming*, 44(1-3):37-74, 2000.

S.Adali, M.L. Sapino, and V.S. Subrahmanian. An Algebra for Creating and Querying Multimedia Presentations. *ACM/Springer Multimedia Systems Journal*, 8(3):212-230, 2000.

P. Bonatti, M.L. Sapino, and V.S. Subrahmanian. Merging Heterogeneous Security Orderings. *Journal of Computer Security*, 5(1):3-29, 1997. Preliminary version in Proc. ESORICS'96, 183-197, LNCS 1146, Springer Verlag, 1996.

L. Console, M.L. Sapino, and D.Theseider Dupré. The role of Abduction in Database View Updating. *Journal of Intelligent Information Systems*, (4):261-280, 1995.

L. Giordano, A. Martelli, and M.L. Sapino. Extending Negation as Failure by Abduction: a 3-valued Stable Model Semantics. *Journal of Logic Programming*, 26(1):31-67, 1995.

B. Demo, M. Porta, and M. L. Sapino. E±ciency and completeness properties of the counting method. *Computers and Artificial Intelligence*, 8(3):227{245, 1989

CONFERENCE PUBLICATIONS

Songling Liu, Juan P. Ceden0, K. Selcuk Candan, Maria Luisa Sapino, Shengyu Huang, and Xinsheng Li. R2DB: A System for Querying and Visualizing Weighted RDF Graphs. accepted for demonstration at the IEEE International Conference on Data Engineering (ICDE), 2012.

Huiping Cao, K. Selcuk Candan, and Maria Luisa Sapino. Skynets: Searching for Minimum Trees in Graphs with Incomparable Edge Weights. ACM Conference on Information and Knowledge Management (CIKM), pp. 1775-1784, 2011.

Claudio Schifanella, K. Selcuk Candan, and Maria Luisa Sapino. Metadata-Driven Multiresolution Approach to Tensor Decomposition. to appear at the ACM Conference on Information and Knowledge Management (CIKM), pp. 1275- 1284, 2011.

Luigi Di Caro, Maria Luisa Sapino, and K. Selcuk Candan. Unraveling Multi-Dimensional Data using pDView, demo paper, 14th International Conference on Extending Database Technology (EDBT), March 22-24, pp. 570-573, 2011.

Mario Cataldi, K. Selcuk Candan, and Maria Luisa Sapino. ANITA: A Narrative Interpretation of Taxonomies for Their Adaptation to Text Collections. 19th ACM International Conference on Information and Knowledge Management (CIKM), pp. 1781-1784, 2010.

K. Selcuk Candan, Mario Cataldi and Maria Luisa Sapino. Reducing Metadata Complexity for Faster Table Summarization. 13th International Conference on Extending Database Technology (EDBT), pp. 240-251, 2010.

Huiping Cao, Yan Qi, K. Selcuk Candan and Maria Luisa Sapino. Feedback-driven Result Ranking and Query Refinement for Exploring Semi-structured Data Collections. 13th International Conference on Extending Database Technology (EDBT), pp. 3-14, 2010.

Paulo Shakarian, V. S. Subrahmanian, Maria Luisa Sapino: Using Generalized Annotated Programs to Solve Social Network Optimization Problems. ICLP (Technical Communications) 2010: 182-191

K. Selcuk Candan, Huiping Cao, Yan Qi, and Maria Luisa Sapino. AlphaSum: Size-Constrained Table Summarization using Value Lattices. 12th International Conference on Extending Database Technology (EDBT) Saint Petersburg, Russia, March 24-26 2009.

Huiping Cao, Yan Qi, K. Selcuk Candan, Maria Luisa Sapino. Exploring Path Query Results through Relevance Feedback, Conference on Information and Knowledge Management (CIKM'09), pp. 1959-1962, 2009.

Mario Cataldi, Claudio Schifanella, K. Selcuk Candan, Maria Luisa Sapino, Luigi Di Caro. CoSeNa: A Context-based Search and Navigation System. International Conference on Management of Emergent Digital EcoSystems (MEDES'09), pp. 218-225, 2009.

Luigi Di Caro, K. Selcuk Candan, and Maria Luisa Sapino. Using tagFlake for Condensing Navigable Tag Hierarchies from Tag Clouds. ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (demo), pp. 1069-1072, 2008.

K. Selcuk Candan, Huiping Cao, Yan Qi, and Maria Luisa Sapino. Table Summarization with the Help of Domain Lattices. ACM Conference on Information and Knowledge Management (CIKM), pp. 1473-1474, 2008.

Yan Qi, K. Selcuk Candan, and Maria Luisa Sapino. Sum-Max Monotonic Ranked Joins for Evaluating Top-K Twig Queries on Weighted Data Graphs. In Proceedings of the 33rd international Conference on Very Large Data Bases (VLDB), pp. 507-518, Vienna, Austria, September 23 - 27, 2007.

Yan Qi, K. Selcuk Candan, and Maria Luisa Sapino. Feedback-based InConsistency Resolution and Query Processing on Misaligned Data Sources, In Proceedings of the 2007 ACM SIGMOD international Conference on Management of Data (SIGMOD '07), pp. 151-162, Beijing, China, June 11 - 14, 2007.

Yan Qi, K. Selcuk Candan, Maria Luisa Sapino, and Keith W. Kintigh. Integrating and Querying Taxonomies with QUEST in the Presence of Conflicts, In Proceedings of the 2007 ACM SIGMOD international Conference on Management of Data (SIGMOD '07), Demo, pp. 1153-1155, Beijing, China, June 11 - 14, 2007.

Qing Li, K. Selcuk Candan, Maria Goveas, Sangwoo Han, Terri Hedgpeth, Jong Wook Kim, Atul Kolhatkar, and Maria Luisa Sapino. OASIS System for Organizing, Annotating, and Serving Information to Students without Sight. International Conference on Technology-based Learning with Disability (LWD-07), July 19-20, Dayton, Ohio, 2007.

S. Adali, M.L. Sapino, and B. Marshall. A rank algebra to support multimedia mining applications. In Proc. KDD/MDM07, San Jose', California, 2007.

K. Selcuk Candan, G. Kwon, L. Peng, and M.L.Sapino. Modeling Adaptive Media Processing Workflows. ICME 2006.

M.L. Sapino, K. Selcuk Candan, and P. Bertolotti. Log-Analysis based Characterization of Multimedia Documents for Effective Delivery of Distributed Multimedia Presentations. International Conference on Distributed Multimedia Systems (DMS) 2006.

- A. Messina, M. Montagnuolo, and M.L. Sapino. Characterizing Multimedia Objects through Multimodal Content Analysis and Fuzzy Fingerprints. In Proc. of IEEE International Conference on Signal-Image Technology and Internet-Based Systems, 2006
- P. Bertolotti, O. Gaggi, and M.L. Sapino. Dynamic Context Adaptation in Multimedia Documents. In Proc. of ACM Symposium on Applied Computing, SAC 2006, Special Track on Multimedia and Visualization, Dijon, France, April 2006.
- Lina Peng, Gisik Kwon, Yinpeng Chen, K. Selcuk Candan, Hari Sundaram, Karamvir Chatha, and Maria Luisa Sapino. Modular Design of Media Retrieval Workflows Using ARIA. (Demonstration) International Conference on Image and Video Retrieval, LNCS 4071, July 13-15, 2006.
- F. Antonelli and M.L. Sapino. A rule based approach to message board topics classification. In Proc. MIS'05 - 11th International Workshop on Multimedia Information Systems, volume 3665 of LNCS, pages 33-48, 2005
- P. Bertolotti, O. Gaggi, and M.L. Sapino. A State-Transition Model for Distributed Multimedia Documents. In Proc. of Tenth International Conference on Distributed Multimedia Systems (DMS'2004), San Francisco Bay, USA, September 8-10 2004.
- F. Yaman, S. Adali, D. Nau, M.L. Sapino, and V.S. Subrahmanian. Plan Databases: Model and Algebra. Proc. FOIKS04 - Third International Symposium on Foundations of Information and Knowledge Systems, LNCS, pages 302-320. 2004.
- Maria Luisa Sapino, Multimedia Presentations Databases (extended abstract), in *Proc. SOFSEM 2002: theory and Practice of Informatics*, LNCS 2540, pp. 132-134, Milovy, Czech Republic, 2002. *Invited talk*
- S. Adali, M. L. Sapino, and V. S. Subrahmanian. A Multimedia Presentation Algebra. In Proc. ACM SIGMOD99, pages 121-132, Philadelphia, 1999.
- E. Bertino, P. A. Bonatti, E. Ferrari, and M. L. Sapino. Specifying and Computing Hierarchies of Temporal Authorizations. In Proc. Appia-Gulp-Prode99 Conference, pages 605-619, L'Aquila, 1999. Also appearing in Proc. of the *13th IFIP WG 11.3 - Working Conference on Database Security*, Seattle, July 99, Kluwer.
- S. Adali, P.A. Bonatti, M.L. Sapino, and V.S. Subrahmanian. A Multi-Similarity Algebra. In Proc. of ACM SIGMOD'98, pages 402-413, Seattle, USA, 1998.
- L. Giordano, A. Martelli, and M. L. Sapino. An Abductive Proof Procedure for Conditional Logic Programming. In Proc. 1st Int. Conf. on Formal and Applied Practical Reasoning, FAPR'96, volume 1085 of LNAI, pages 231-245, 1996.
- L. Giordano, A. Martelli, and M. L. Sapino. An abductive proof procedure for conditional logic programming. In *Proc. FAPR-96- International Conference on Formal and Applied Practical Reasoning*, Bonn, June 1996, LNAI, pp. 231-245.
- P. Bonatti, M.L. Sapino, V.S. Subrahmanian. Merging Heterogeneous Security Orderings. In *ESORICS96 - International Symposium in the computer security area*, LNCS, Springer-Verlag, Roma, Settembre 96, pp. 183-197.
- L. Liquori and M. L. Sapino. Dealing with explicit exceptions in Prolog. In *proceedings GULP-PRODE-94 Conference; vol. II*, pages 296 {308, Peñiscola, Spain, 1994.
- L. Giordano, A. Martelli, and M.L. Sapino. A semantics for Eshghi and Kowalski's abductive procedure. In Proc. 10th Int. Conf. on Logic Programming, ICLP93, pages 586-600, Budapest, 1993. MIT Press

Luca Console, Maria Luisa Sapino, and Paolo Terenziani, Dealing with uncertain temporal information in the Interval Algebra, *Proc. International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems IPMU92, 1992*", Mallorca (Spain) pages 521 -524.

L. Giordano, A. Martelli, and M. L. Sapino. Negation as failure and constraints through abduction and defaults. In *Trends in Artificial Intelligence- LNAI 549*, pages 78-87, Palermo, 1991. Springer Verlag.

M. T. Bolla, B. Demo, and M. L. Sapino. Stratified logic programs for a sound negation as failure. In Ivan Plander, editor, *Artificial Intelligence and Information- Control Systems of Robots*, pages 23 -30. North Holland, 1989.

B. Demo, M. Porta, and M. L. Sapino. Rewriting rule methods in logic databases. In Ivan Plander, editor, *Proc. Artificial Intelligence and Information Control Systems of Robots*. Nort-Holland, 1987.

BOOK CHAPTERS

A. Picariello, M.L. Sapino, V.S. Subrahmanian, A Video Database Algebra, in *Handbook of Video Databases*, Borko Furht and Oge Marques editors, chapter 19, CRC Press, 2003.

Huiping Cao, Yan Qi, K. Selçuk Candan, and Maria Luisa Sapino. XML Data Integration: Schema Extraction and Mapping. *Advanced Applications and Structures in XML Processing: Label Streams, Semantics Utilization and Data Query Technologies*, (Editors: Changqing Li and Tok Wang Ling), Information Science Publishing, ISBN: 1-61520-727-9, Feb 9. 2010.

Yan Qi, Huiping Cao, K. Selçuk Candan, and Maria Luisa Sapino. XML Data Integration: Merging, Query Processing and Conflict Resolution. *Advanced Applications and Structures in XML Processing: Label Streams, Semantics Utilization and Data Query Technologies*, (Editors: Changqing Li and Tok Wang Ling), Information Science Publishing, ISBN: 1-61520-727-9, Feb 9. 2010.

K. Selcuk Candan and Maria Luisa Sapino. Multimedia Data Querying. *Encyclopedia on Databases Systems*, Özsu, M. Tamer; Liu, Ling (Eds.), ISBN: 978-0-387-49616-0, 2009.

K. Selcuk Candan and Maria Luisa Sapino. Multimedia Information Systems. *Encyclopedia of Multimedia*, 2nd ed., Furht, Borko (Ed.), ISBN: 978-0-387-74724-8, 2008.

OTHER PUBLICATIONS (including workshops)

K. Selcuk Candan, Luigi Di Caro, and Maria Luisa Sapino. Creating Tag Hierarchies for Effective Navigation in Social Media. *CIKM Workshop on Search in Social Media (SSM)*, pp. 75-82, 2008.

K. Selcuk Candan, Mario Cataldi, Maria Luisa Sapino, and Claudio Schifanella. Structure- and Extension-Informed Taxonomy Alignment. *VLDB Workshop on Ontologies-based Techniques for DataBases in Information Systems and Knowledge Systems (ODBIS)*, pp. 1-8, 2008.

S. Adali, S.Pearce, and M.L. Sapino. On Querying and Exploring Activities on a User's Desktop. In *Proc. e-Chronicle2006 - IEEE workshop on electronic chronicles*. In conjunction with ICDE06, 2006.

Yan Qi, K. Selcuk Candan, Maria Luisa Sapino, and Keith W. Kintigh. QUEST: QUery-driven Exploration of Semistructured Data with ConflicTs and Partial Knowledge, *VLDB Workshop on Clean Databases (CleanDB)*, 2006.

S.Adali and M.L. Sapino. An activity based data model for desktop querying. In Poster presentation at SemDesk2005 Workshop, Ireland, 2005.

Fabrizio Antonelli, Jong Wook Kim, K. Selcuk Candan, and Maria Luisa Sapino. Navigation Support for Students who are Blind in Accessing Discussion Boards. ACM International Workshop on Combining Intelligent and Adaptive Hypermedia Methods/Techniques in Web-Based Education Systems, Hypertext 2005.

S. Adali, C. Bufi, and M. L. Sapino. Ranked Relations: Concepts, Applications, and Query Languages for Multimedia. In Proc. MIS'03 - 9-th International Workshop on Multimedia Information Systems, Ischia, Italy, 2003.

P. Bertolotti, O. Gaggi, M.L. Sapino, and V.S. Alagar. A Compositional Approach to Multimedia Documents Dynamics. In Proc. of 9-th International Workshop on Multimedia Information Systems (MIS 2003), pages 1-12, Ischia, Italy, 2003.

M.Fayzullin, V.S. Subrahmanian, A.Picariello, and M.L. Sapino. The CPR Model for Summarizing Video. In Proc. of Workshop ACM MMDB 2003, pages 2-9, New Orleans, USA, November 2003.

A. Celentano, O.Gaggi, and M.L. Sapino. Retrieving consistent multimedia presentation fragments. In Proc. MIS02 - 8-th International Workshop on Multimedia Information Systems, Tempe, Arizona, 2002.

A. Picariello and M.L. Sapino. A fuzzy algebra for image databases. In Proc. MIS02 - 8-th International Workshop on Multimedia Information Systems, Tempe, Arizona, 2002.

S. Adali, L. Console, M.L.Sapino, M. Schenone, P. Terenziani, Representing and reasoning with temporal constraints in multimedia presentations, *Proc. TIME-2000: Seventh International Workshop on temporal representation and Reasoning*, 2000, Nova Scotia, Canada. (best paper)

S. Adali, J.Liepins, and M.L. Sapino. Dynamic graph structured document databases. In Proc. MIS'00 - Sixth International Workshop on Multimedia Information Systems, pages 187 --195, Chicago, 2000.

S. Adali, M.L. Sapino, M.Schenone, and V.S. Subrahmanian. Finite Graph Algebras for Querying Multimedia Presentation Databases. In Proc. MIS'99 - Fifth International Workshop on Multimedia Information Systems, pages 20-27, Indian Wells, Palm Springs Desert, California, 1999.

INVITED PRESENTATIONS

Maria Luisa Sapino, Multimedia Presentations. *MIS 01 – International workshop on Multimedia Information Systems, Capri, Invited talk, 2001*

Maria Luisa Sapino, Multimedia Presentations. *SOFSEM 2002: theory and Practice of Informatics*, Milovy, Czech Republic, 2002. *Invited talk*

Information Retrieval in Multimedia Databases. University of Napoli, invited tutorial at the Phd School, November 2003.

AWARDS

Best paper at *TIME-2000: Seventh International Workshop on temporal representation and Reasoning*, 2000, Nova Scotia, Canada

S. Adali, L. Console, M.L.Sapino, M. Schenone, P. Terenziani, Representing and reasoning with temporal constraints in multimedia presentations.

SCIENTIFIC and PROFESSIONAL SOCIETY MEMBERSHIPS

Association of Computer Machinery

EDITORSHIPS

Guest Editor of the Special Issue on Multimedia Information Systems. Multimedia Tools and Applications, 2007

CONFERENCE ACTIVITIES

Publicity Co-Chair, ACM SIGMOD Conference, 2012.

Workshop Co-Chair, ACM Multimedia Conference, 2011.

PC Member , PVLDB Conference 2013.

PC Member , PVLDB Conference 2012.

PC Member , ICME 2011.

PC Member , SAC 2011.

PC Member , ICMR 2011.

PC Member , DEXA 2011.

PC Member , SITIS 2011.

PC Member , MUM 2011.

PC Member , SIGMOD 010.

PC Member, KDD Multimedia Data Mining Workshop, 2010

PC Member, KDD Multimedia Data Mining Workshop, 2011

PC Member, MEDES 2010

PC Member, MEDES 2011

PC Member, ACM Workshop on Automated Information Extraction in Media Production (AIEMPro) 2010.

PC Member, Workshop on Automated Information Extraction in Media Production (AIEMPro) 2009.

PC Member, Workshop on Automated Information Extraction in Media Production (AIEMPro) 2008.

Workshops Chair, 1st International Conference on Ambient Media and Systems (Ambi-Sys) 2008.

PC Member, ACM Multimedia Conference, 2009.

PC Member, ACM Multimedia Conference, 2008.

PC Member, ACM SAC (Symposium on Applied Computing) 2010.

PC Member, ACM SAC (Symposium on Applied Computing) 2009.

PC Member, ACM SAC (Symposium on Applied Computing), 2008.

PC Member, ACM SAC SITIS 2008.

PC Member, DEXA, 2009.

PC Member, DEXA, 2008.

PC Member, SUM 2008 - Second International Conference on Scalable Uncertainty Management.

PC Member, SUM 2009 - Second International Conference on Scalable Uncertainty Management.

Workshop Co-chair First SIAM SDM Workshop on Multimedia Data Mining 2009.

Workshop chair , Int. Workshop on Ambient Media Delivery and Interactive Television (AMDIT) 2008.

Workshop co-chair , SIGKDD Int. Workshop on Multimedia Data Mining (MDM/KDD) 2008.

Co-chair, 1st ICDE Int. Workshop on Ambient Intelligence, Media, and Sensing (AIMS) 2007.

PC Member, International Conference on Data Engineering (ICDE) 2007

PC Member, International Conference on Data Engineering (ICDE) 2007

PC Member, International Conference on Database and Expert Systems Applications (DEXA) 2007

Workshop Co-Chair , 10th International Workshop on Multimedia Information Systems 2004

PC member , Eighth International Workshop on Multimedia Information Systems, 2002

PC Member, Seventh International Workshop on Multimedia Information Systems, 2001

JOURNAL REFEREE

ACM Transactions on Database Systems

IEEE Transactions on Knowledge and Data Engineering

Multimedia Tools and Applications Journal

Very Large Databases Journal

Journal of Electronic Imaging

Journal of Visual Languages and Computing

Data and Knowledge Engineering Journal

Journal on Multimedia Systems,

Journal of Logic programming

UNIVERSITY COMMITTEES and ORGANIZATIONS

Computer Science Teaching Organization Committee (1992—1998 and 2006-10)

Scientific Evaluation Dept. Committee (2004-06 and 2011-)

STUDENTS

Paola Bertolotti PhD -Behavioral characterization for multimedia documents (2006)

Mario Cataldi PhD - *Adaptation of Hierarchical Meta-Data for Efficient Large Data Set Exploration.* (2010)

Luigi Di Caro PhD - Data Mining-driven Visualizations to support Exploration of Multi-Dimensional Data Collections. (2011)

Rosaria Rossini PhD(current)

Claudio Schifanella Post-Doc (2008-2012)

Ruggero Pensa (Dec 2011)