

## Curriculum Vitae, Dunja Mladenić

**Prof. Dunja Mladenić** <<http://ailab.ijs.si/Dunja.Mladenic/>> is an expert on study and development of Machine Learning, Data Mining and Text Mining techniques and their application on real-world problems from different areas such as, publishing, medicine, pharmacology, manufacturing, economy. Her current research focuses on data analysis, with particular interest in learning from Text and the Web including personal intelligent agents. She works as a researcher at the Department of Knowledge Technologies of the J. Stefan Institute, Ljubljana, Slovenia since 1992. She graduate in Computer Science at University of Ljubljana and continued as a PhD student focused on Artificial Intelligence. She got her MSc and PhD in Computer Science at University of Ljubljana in 1995 and 1998 respectively. She was visiting School of Computer Science, Carnegie Mellon University, Pittsburgh, PA, USA, as a visiting researcher in 1996-1997 and in 2000-2001.

Dunja Mladenić was coordinating EU FP5 RTD project "Data Mining and Decision Support for business competitiveness: A European virtual enterprise (Sol-Eu-Net)" involving 12 partners from 7 countries. She is or was on the Management Board of several European research and development projects including FP7 IP project ACTIVE Enabling the Knowledge Powered Enterprise, FP6 IP projects SEKT Semantically-Enabled Knowledge Technologies and NeOn Lifecycle Support for Networked Ontologies, FP6 STREP projects MAGINATION Image-based Navigation in Multimedia Archives, SMART Statistical Multilingual Analysis for Retrieval and Translation, SWING Semantic Web Services Interoperability for Geospatial Decision Making and TAO Transitioning Applications to Ontologies, FP7 NoE PASCAL2 and FP6 NoE project PASCAL - Pattern Analysis, Statistical Modelling and Computational Learning, FP6 CA project KD-ubiq A blue print for ubiquitous knowledge discovery systems, FP6 SSA projects CEC-WYS: Central European Centre for Women and Youth in Science and WS-DEBATE. She is or was leading several National research projects including System for statistical semantic Web, MetaService – Semantic composition of Grid services, Collection and analysis of Slovenian electronic publications on the Web, Design and analysis of Slovenian digitalized electronic publications of national importance, Analysis of large text data-sets. She was also involved in several national research projects lead by other researchers including Language resources for Slovene, Development of Digital Publishing with Distance Learning Support, Reflection in Machine Learning, Slovenian Economy in Transition towards Market Economy.

Dunja Mladenić is the Slovenian representative in EC Enwise STRATA ETAN Expert Group "*Promoting women scientists from the Central and Eastern European countries and the Baltic States to produce gender equality in science in the wider Europe*". She serves as project evaluator of project proposals for EC programme on Information and Society Technology (IST). In 2001, she was evaluator of project proposals for National Science Foundation (NSF) initiative on Information Technology Research (ITR), NSF 00-126, USA.

She is co-editor of the book "Data Mining and Decision Support: Integration and Collaboration" Kluwer Academic Publishers 2003, the book "Semantic Knowledge Management: Integrating Ontology Management, Knowledge Discovery, and Human Language Technologies" Springer 2008, the book "Semantics, Web and Mining" Springer 2006, the book "Web Mining: from Web to Semantic Web" Springer, 2004, the book "From Web to social Web: discovering and deploying user and content profiles", Springer, 2007, the book "Knowledge Discovery Enhanced with Semantic and Social Information", Springer, 2009 and; the book "Equality of women and men in science and research of Slovenia", Grosuplje: Partner graf, 2006. She is author of two books: the book "To be or not to be woman in science : discussion on women in science in Slovenia", Ljubljana: Jožef Stefan Institute, 2007 and; the book "Waste of talents : turning private struggles into a public issue, Women and science in the Enwise countries", (Science and society). Luxembourg: Office for Official Publications of the European Communities, 2004.

Dunja Mladenić has published several papers in refereed conferences and journals. She was general chair of ECML PKDD-2009, she was also co-chairing the 18th European Conference on Machine Learning (ECML-2007). She was vice/senior/area chair of several major international conferences including ECAI-2010, ICML-2009, KDD-2007, ICML-2006, ICDM-2003. She has served in the program committee of numerous international conferences including International Conference on Machine Learning, International Conference on Knowledge Discovery and Data Mining, SIAM Conference on Data Mining, International Conference on Data Warehousing and Knowledge Discovery). She co-organized several international conferences and workshops including the major machine learning conferences ECML/PKDD-2007, ICML-99, Slovenian KDD conferences, several international Workshops on Text and Link Analysis, Workshops on Web Mining associated to the main international conferences from the area (IJCAI, AAAI, KDD, ICML, ICDM, ECML/PKDD).

Dunja is also a co-founder of the Quintelligence Company with the core business in transferring knowledge management and knowledge discovery/data mining expertise into marketable products and services. She is also a co-founder of Cycorp Europe Company (European branch of US based Cycorp company) working in deep knowledge modeling and reasoning.

**Research interests:** Artificial Intelligence, Machine Learning, Text and Web Mining, Data Mining, Stream Mining, Semantic Technologies, Semantic Sensor Networks, Social Networks, Intelligent Agents, Applications of Machine Learning and Data Mining. Most of my research work is connected with the study and development of machine learning and data mining techniques and their applications on real-world problems from different areas, for instance, medicine, pharmacology, manufacturing, economy, environmental studies, learning from the Web.

Editor of the following books:

- Data mining and decision support: integration and collaboration (Mladenic, Lavrac, Bohanec, Moyle, eds.), Kluwer Academic Publishers, 2003.
- Web Mining: from Web to Semantic Web (Berendt, Hotho, Mladenic, Someren, Spiliopoulou, Stumme, eds.), Lecture notes in artificial intelligence, Berlin; Heidelberg; New York:Springer, 2004.
- Semantics, Web and Mining, Lecture Notes in Computer Science (Berendt, Grobelnik, Hotho, Mladenic, Semeraro, Schinke, Someren, Spiliopoulou, Stumme, eds.). Berlin; Heidelberg; New York: Springer, 2006.
- From Web to social Web: discovering and deploying user and content profiles (Berendt, Hotho, Mladenic, Semeraro, eds.), Lecture notes in computer science, Lecture notes in artificial intelligence, vol. 4737. Berlin; Heidelberg; New York: Springer, 2007.
- Knowledge Discovery Enhanced with Semantic and Social Information (Berendt, Mladenic, de Gemmis, Semeraro, Spiliopoulou, Stumme, Semeraro, Svatek, Zelezni, eds.) Studies in Computational Intelligence, vol. 220, Berlin; Heidelberg: Springer, 2009.
- Semantic knowledge management : integrating ontology management, knowledge discovery, and human language technology. (Davies, Grobelnik, Mladenic, eds.), Berlin; Heidelberg: Springer, 2009.

## **Education**

- Ph.D., Computer Science (AI), University of Ljubljana, February 1999. Dissertation: *Machine learning on non-homogeneous, distributed text data*. Thesis advisors: Ivan Bratko, Tom Mitchell.
- M.Sc., Computer Science (AI), University of Ljubljana, December 1995. Thesis: *Domain-Tailored Machine Learning*. Thesis advisors: Ivan Bratko, Nada Lavrac.
- B.Sc., Computer Science, University of Ljubljana, December 1990. Thesis: *Machine Learning System: Magnus Assistant*. Thesis advisor: Ivan Bratko.
- High School, emphases on mathematics and computer science, Rijeka, Croatia, May 1985.

## **Research experience**

- 1987-present, associated with J. Stefan Institute, Ljubljana, Slovenia (1987-1992 as an undergraduate student, 1992-1998 employed at J. Stefan Institute as a graduate student and young researcher, 1998-present, employed at J. Stefan Institute, as a researcher and project manager).
- 2000-2001, School of Computer Science, Carnegie Mellon University, USA, 18 months as a visiting researcher, *research on data mining, with particular emphases on Web and text mining including information extraction and user profiling* (hosted by Tom M. Mitchell).
- 1996-1997, Carnegie Mellon University, USA, 12 months as a visiting researcher, *research on machine learning in data analysis, with particular interest in learning from text applied on World Wide Web documents and intelligent agents* (hosted by Tom M. Mitchell).
- 1993, Brunel-The University of West London, UK, 1 month visit, research on *application of machine learning on discrete event simulation analysis* (hosted by Ray J. Paul).
- 1991-1992, Katholieke Universiteit Leuven, Belgium, 1 month visit, research on *usage of stochastic search in machine learning* (hosted by Luc De Raedt).

## **Teaching experience**

- 2005-present, teaching at Jožef Stefan International Graduate School
- 2006-present, teaching at graduate school of Faculty of Business, University of Nova Gorica
- 2006-present, teaching at graduate school of Faculty of Education Koper, University of Primorska
- 2009-2011, visiting professor at Faculty of Electrotechnic and Informatics, University of Zagreb
- 1993-2002, advising undergraduate research projects in Computer Science (AI), classes held by prof. Ivan Bratko, prof. Tatjana Zrimec, prof. Blaz Zupan, Faculty for Computer and Information Science, University of Ljubljana, Slovenia.
- 1995-present, visiting lectures at Master program on Faculty of Economics, University of Ljubljana, Slovenia.
- 1999-present, visiting lectures at undergraduate program in Mathematics and Informatics, Faculty of Education, University of Ljubljana, Slovenia.
- 1994-present, giving seminars in Computer Science (AI) at different Universities and other Organizations
- 1995-1996, Teaching Assistant in Computer Science (programming techniques), University of Rijeka, Croatia.

## **Research projects/systems developed**

### **National projects**

- Targeted Research Project: Statistical semantic web systems (Sistemi za statistični semantični splet) (2006 - 2008)
- Targeted Research Project: Metaservices - Semantic reasoning Grid services (MetaStoritev - Semantično sklapljanje Grid storitev ) (2006 - 2008)
- VIZIPIN - Secure infrastructure for implementing command and control (Varna infrastruktura za izvajanje poveljevanja in nadzora)(2007-2009)
- Targeted Research Project: SKU - Crisis management simulator (Simulator kriznega upravljanja) (2007 - 2009)
- Targeted Research Project: Development of Knowledge Management System for SV (Razvoj sistema upravljanja z znanji v SV)(2006 - 2009)
- Construction of archive for Slovenian Web publications, joint project with [National and University Library](#) of Slovenia (2002-2004)

- Design and analysis of Slovenian digitalized electronic publications of national importance, joint project with [National and University Library](#) of Slovenia (2002-2004)
- Language resources for the Slovene language, joint project with [University of Ljubljana](#) (Faculty of Arts, Faculty of Social Studies), publishing company DZS d.d. and a software development company Amebis d.o.o. (2002-2005)
- Intelligent data analysis for better decision support (2000-2002), (Nada Lavrac, PI)
- Analysis of large text datasets (1999-2001), (Dunja Mladenec, PI)
- Reflection in Machine Learning (1999-2001), (Damjan Bojadziev, PI)
- Development of Digital Publishing with Distance Learning Support (1998-2001), (Tomaz Erjavec, PI)
- Knowledge synthesis from data, basic research project (1995-1997), (Ivan Bratko, PI)
- Analysis of clinical bases and medical knowledge synthesis, basic research project (1995-1997), (Nada Lavrac, PI)
- Slovenian Economy in Transition towards Market Economy (1996-2000), (Janez Prasnikar, PI)
- Computerized information system supporting therapeutic activities in health care, applicative project (1994-1996), (Marko Bohanec, PI)
- Automated knowledge synthesis, basic research project (1992-1994), (Ivan Bratko, PI)

### **Bilateral international projects**

- Analysis of Dynamic Networks with Graph and Text Mining Methods, join project with Carnegie Mellon University (2006 - 2007)
- Web Page Classification for Croatian and Slovenian Web, join project with University of Zagreb, Croatia (2005 - 2006)
- Using Artificial Intelligence in Text and Web Mining, joint project with University of Novi Sad, Serbia (2005 - 2006)

### **International projects**

- FP7 Network of Excellence [PASCAL2](#): Pattern Analysis, Statistical Modelling and Computational Learning 2 (2008-2013) (ICT-216886-NOE)
- FP7 Integrated project [ACTIVE](#): Enabling the Knowledge Powered Enterprise(2008-2011) (ICT-215040-IP)
- FP7 Integrated project [EURIDICE](#): European Inter-Disciplinary Research on Intelligent Cargo for Efficient, Safe and Environment-friendly Logistics(2008-2011) (ICT-216271-IP)
- FP7 Integrated project [COIN](#): Enterprise COLLaboration & INteroperability (2008-216256) (ICT-216271-IP)

Previous Projects (FP6: EC grants 2004-2010)

- FP6 Integrated project [NeOn](#): Lifecycle Support for Networked Ontologies (2006-2010) (IST-4-027595-IP)
- FP6 Strategic targeted research project [SMART](#): Statistical Multilingual Analysis for Retrieval and Translation (2007-2010) (IST-5-033917-STP)
- FP6 Strategic targeted research project [IMAGINATION](#): Image-based Navigation in Multimedia Archives (2007-2010) (IST-5-034626-STP)
- FP6 Strategic targeted research project [SWING](#): Semantic Web Services Interoperability for Geospatial Decision Making (2006-2009) (IST-4-026514-STP)
- FP6 Strategic targeted research project [TAO](#): Transitioning Applications to Ontologies (2006-2009) (IST-4-026460-STP)
- FP6 Strategic targeted research project [E4](#) - Extended Enterprise management in Enlarged Europe (2006-2008) (IST-4-027282-STP)

- FP6 Strategic targeted research project [Tool-East](#): Open Source Enterprise Resource Planning and Order Management System for Eastern European Tool and Die Making Workshops (2006-2007) (IST-4-027802-STP)
- FP6 Co-ordination Action [KD-ubiq](#): A blue print for ubiquitous knowledge discovery systems (2005-2008) (IST-4-021321-CA)
- FP6 Specific Support Action [IST World](#): Knowledge Base for RTD competencies in IST (2005-2007) (IST-3-015823-SAS)
- FP6 Specific Support Action [WS DEBATE](#): Stimulating Policy Debate on Women and Science Issues in Central Europe (SAS-2006-036651-SSA)
- FP6 Integrated project [SEKT](#): Semantically Enabled Knowledge Technologies (2004-2006) (IST-1-506826-IP)
- FP6 Strategic targeted research project [ALVIS](#): Superpeer Semantic Search Engine (2004-2006) (IST-1-002068-STP)
- FP6 Network of Excellence [PASCAL](#): Pattern Analysis, Statistical Modelling and Computational Learning (2003-2007) (IST-1-506778-NOE)
- FP6 ERA project [CEC-WYS](#): Central European Centre for Women and Youth in Science (2004-2006) (SAS6-CT-2004-003582)

Previous Projects (FP5: EC grants 2000-2005)

- FP5 RTD project [SOL-EU-NET](#): Data Mining and Decision Support for Business Competitiveness: Solomon European Virtual Enterprise (2000-2003) (IST-1999-11495)
- FP5 Network of Excellence [KDNNet](#): European Knowledge Discovery Network of Excellence (2002-2004) (IST-2001-33086)
- FP5 Network of Excellence [KMForum](#): European Knowledge Management Forum (2000-2003) (IST-2000-26393)
- FP5 Network of Excellence [NEMIS](#): Network of Excellence in text Mining and its applications in Statistics (2002-2004) (IST-2001-37574)
- FP5 IST-2000-29207 EUNITE - The European Network of Excellence on Intelligent Technologies for Smart Adaptive Systems” (2001-2003), (Ljupco Todorovski, PI for J.Stefan Institute, Slovenia)
- FP5 IST-1999-29003 AgentLink II: Continuation of a Network of Excellence for Agent-Based Computing”, AgentLink (2000-2003), (Matjaz Gams, PI for J.Stefan Institute, Slovenia) <www.agentlink.org>
- RTD project “Application of Advanced Natural Language Processing to Text Mining and Summarization” for Microsoft Research, Ltd. (2002-2004), (responsible: Dunja Mladenić and Marko Grobelnik)
- RTD project “Text Analysis using Natural Language Processing” for Microsoft Research, Ltd. (2000-2001), (responsible: Dunja Mladenić and Marko Grobelnik)
- INCO-Copernicus Information System for Employmen Optimisation on Internet (1997-1999), (technical manager Matjaz Gams)
- ESPRIT III and IV European Network of Excellence in Machine Learning (1992-1997), (Slovenian network manager Ivan Bratko, Slovenian coordinators Nada Lavrac, Dunja Mladenic)
- TEMPUS JEP 4724, Postgraduate study of Water Resources Management and Sanitary Engineering (1992-1995), (Ivan Bratko, PI for Slovenia)

### **Professional activities**

- Since 2002, Slovenian representative in EC Enwise STRATA ETAN Expert Group ”Promoting women scientists from the Central and Eastern European countries and the Baltic States to produce gender equality in science in the wider Europe”
- 2000-present, Evaluator of project proposals for European Commission (EC) programme on Information and Society Technology (IST).
- 2001, Evaluator of project proposals for National Science Foundation (NSF) initiative on Information Technology Research (ITR), NSF 00-126, USA
- 1996-present, Executive board member of *Slovenian Artificial Intelligence Society SLAIS*

- 2001-present, Advisory board member of Slovenian Society ACM-Slovenia
- 2004 Editorial board of International Journal of Computational Intelligence
- 2008 Editorial board of Journal of Computing and Information Technology
- 2008 Editorial board of Journal of Information and Organizational Sciences
- Paper referee for international journals and conferences:
  - *IEEE Intelligent Systems (2006-present)*
  - *IEEE Internet Computing (2006-present)*
  - *IEEE Transactions on Knowledge and Data Engineering (2005-present)*
  - *Journal of Machine Learning Research (2003-present)*
  - *IEEE Transactions on Multimedia (2006-present)*
  - *Knowledge and Information Systems, an International Journal (2004-present)*
  - *Machine Learning Journal (2003-present)*
  - *ACM Transactions on Internet Technology (2003-present)*
  - *Journal on Data & Knowledge Engineering*
  - *Journal of Information and Organizational Sciences JIOS (2003)*
  - *Information Retrieval Journal (2003)*
  - *Applied Artificial Intelligence, an International Journal (1998-present)*
  - *Informatica, an International Journal of Computing and Informatics (1993-present)*
  - *IEEE Transactions on Systems, Man and Cybernetics (2001-present)*
  - *Information Retrieval Journal, Kluwer Academic Publishers (2000-present)*
  - *Knowledge and Information Systems (KAIS), an International Journal (2001-present)*
  - *Journal of Intelligent Information Systems* , Special Issue on Automated Text Categorization (2001)
  - *IEEE Expert/Intelligent Systems & Their Applications (1999)*
  - *International Conference on Machine Learning (ICML) (1994-present)*
  - *European Conference on Artificial Intelligence (ECAI) (1993-present)*
  - Workshop Proposal Review, *European Conference on Artificial Intelligence ECAI'96 (1996)*
  - *European Conference on Machine Learning (1994-present)*
  - *Joint European Conference on Artificial Intelligence in Medicine and Medical Decision Making (AIMDM'99) (1999)*
  - *International Journal of Human-Computer Interaction IJHCI (1995)*
  - *International Conference AI '95 (1995)*
  - *International Conference JKAE '94 (1994)*
  - *The Fourth International Workshop on Inductive Logic Programming ILP '94 (1994)*
  - *Fifth International Workshop on Algorithmic Learning Theory ALT '94 (1994)*
  - *Fourth International Workshop on Analogical and Inductive Inference for Program Synthesis AII '94 (1994)*
  - *International Conference DEXA '93 (1993)*
  - *European International Conference Design to Manufacture in Modern Industry (1993)*
- 2007, Program Committee member,
  - ***Senior Program Committee for KDD-07, the 13th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining***
  - ***Vice-Chair for the 29th International Conference on Information Technology Interfaces ITI-2007***
  - *The 16th International World Wide Web Conference (WWW 2007)*

- *The 30th Annual ACM Conference on Research and Development in Information Retrieval (SIGIR 2007)*
- *The 29th European Conference on Information Retrieval (ECIR 2007)*
- *The Tenth International Conference on Discovery Science (DS 2007)*
- 2006, Program Committee member,
  - ***Senior Program Committee for ICML-2006, the 23rd International Conference on Machine Learning***
  - ***Vice-Chair for the 28th International Conference on Information Technology Interfaces ITI-2006***
  - *Twenty-First National Conference on Artificial Intelligence (AAAI 2006)*
  - *The Conference on Neural Information Processing Systems (NIPS 2006)*
  - *The 29th Annual ACM Conference on Research and Development in Information Retrieval (SIGIR 2006)*
  - *The 2006 International Conference on Adaptive Hypermedia and Adaptive Web-Based Systems (AH 2006)*
  - *IASTED International Conference on Artificial Intelligence and Applications (AIA 2006)*
  - *Coling/ACL2006 the joint conference of the International Committee on Computational Linguistics and the Association for Computational Linguistics*
  - *The third European STarting AI Researcher Symposium (STAIRS 2006)*
  - *The Sixth IEEE International Conference on Data Mining (ICDM 2006)*
  - *28th European Conference on Information Retrieval (ECIR 2006)*
  - *The 17th European Conference on Machine Learning and the 10th European Conference on Principles and Practice of Knowledge Discovery in Databases (ECML/PKDD 2006)*
  - *The 3rd Annual European Semantic Web Conference (ESWC 2006)*
  - *The Ninth International Conference on Discovery Science (DS 2006)*
  - *The Second International Conference on Advanced Data Mining and Applications (ADMA 2006)*
  - *The International Conference on e-Business (ICE-B 2006)*
- 2005, Program Committee member,
  - *16th European Conference on Machine Learning (ECML 2005)*
  - *9th European Conference on Principles and Practice of Knowledge Discovery in Databases (PKDD 2005)*
  - *11<sup>th</sup> ACM SIGKDD International conference on Knowledge discovery and Data Mining (KDD-2005)*
  - *27th European Conference on Information Retrieval (ECIR 2005)*
  - *28th Annual International ACM SIGIR (SIGIR 2005)*
  - *9th European Conference on Research and Advanced Technology for Digital Libraries (ECDL 2005)*
  - *2nd European Semantic Web Conference (ESWC 2005)*
  - *26th International Conference Information Technology Interfaces (ITI 2005)*
  - *IASTED International Conference on Artificial Intelligence and Applications (AIA), Austria, 2005*
  - *20th ACM symposium on Applied Computing, Special track on Information Access and Retrieval (SAC-IAR-2005)*
  - *29th Annual Conference of the German Classification Society (GfK1 2005)*
  - *ECML/PKDD-2005 Workshop on Knowledge Discovery and Ontologies (KDO-2005)*
  - *IJCAI Workshop on Intelligent Techniques for Web Personalization (IJCAI-2005)*
  -

- 2004, Program Committee member,
  - *10th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD 2004)*
  - *16th European Conference on Artificial Intelligence (ECAI 2004)*
  - *26th European Conference on Information Retrieval (ECIR 2004)*
  - *15th European Conference on Machine Learning (ECML 2004)*
  - *8th European Conference on Principles and Practice of Knowledge Discovery in Databases (PKDD 2004)*
  - *27th Annual International ACM SIGIR (SIGIR 2004)*
  - *1st European Semantic Web Symposium (ESWS 2004)*
  - *Fourth International Conference on Adaptive Hypermedia and Adaptive Web-based Systems (AH-2004), 2004*
  - *IADIS WWW/Internet Conference (ICWI 2004)*
  - *International Conference on Machine Learning and Applications (ICMLA'04)*
  - *6th IFIP International Conference on Information Technology for BALANCED AUTOMATION SYSTEMS in Manufacturing and Services (BASYS 2004)*
  - *Knowledge Based Computer Systems (KBCS 2004)*
  - *ICDM 2004 Workshop on Alternative Techniques for Data Mining*
  - *25th International Conference Information Technology Interfaces (ITI 2004)*
  - *AAAI 2004 Workshop on Semantic Web Personalization*
  - *ECML/PKDD 2004 Workshop on Statistical Approaches to Web Mining (SAWM 2004)*
- 2003, Program Committee member,
  - **Vice Chair of 3rd International Conference of Data Mining (ICDM 2003)**
  - *8th International Joint Conference on Artificial Intelligence (IJCAI 2003)*
  - *9th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD 2003)*
  - *20<sup>th</sup> International Conference on Machine Learning (ICML 2003)*
  - *14th European Conference on Machine Learning (ECML 2003)*
  - *7th European Conference on Principles and Practice of Knowledge Discovery in Databases (PKDD 2003)*
  - *IADIS WWW/Internet Conference (ICWI 2003)*
  - *24th International Conference Information Technology Interfaces (ITI 2003)*
  - *IJCAI 2003 Workshop on Intelligent techniques for Web Personalization*
  - *KDD 2003 Workshop on Integrated Media Mining*
- 2002, Program Committee member,
  - *The Second International Conference of Data Mining (ICDM 2002)*
  - *15th European Conference on Artificial Intelligence (ECAI-02), Lyon, France*
  - *First STarting AI Researchers Symposium, (STAIRS'02), Lyon, France*
  - *Second International Conference on Adaptive Hypermedia and Adaptive Web-based Systems (AH-2001), Malaga, Spain, May 29-31 2002*
  - *Intl. Conf. on Data Warehousing and Knowledge Discovery (DaWak 2002), Aix-en-Provence, France*
  - *PRO-VE'02 - 3rd IFIP Working Conference on Infrastructures for Virtual Enterprises, Algarve, Portugal*
- 2001, Program Committee member,
  - *Intl. Conf. on Data Warehousing and Knowledge Discovery (DaWak'2001), Munich, Germany*
  - *First SIAM International Conference on Data Mining (SDM'2001), Chicago, USA*



- *SIGIR Workshop on Operational Text Classification Systems*, New Orleans, Louisiana, USA
- *ECML 1998 Workshop on Upgrading Learning to the Meta-Level: Model Selection and Data Transformation*

### **Organizing and chairing international events**

- General chair of ECML PKDD-2009
- Co-chair of ECML-2007, *The 18th European Conference on Machine Learning*
- Tutorial chair for the *16th European Conference on Machine Learning* and the *9th European Conference on Principles and Practice of Knowledge Discovery in Databases (ECML/PKDD 2005)*
- Workshop and Tutorial Chair for *The 21st International Conference on Machine Learning (ICML 2003)*
- Workshop Chair for *The Sixteenth International Conference on Machine Learning (ICML 1999)*
- Tutorials at main international events
  - KDD-2007 Tutorial on Text Mining and Link Analysis for Web and Semantic Web by Dunja Mladenić, Marko Grobelnik
  - IJCAI-2007 Tutorial on Text Mining and Link Analysis for Web and Semantic Web by Dunja Mladenić, Marko Grobelnik
  - ESWC-2005 Tutorial on Text Mining for Semi-Automatic Ontology Construction by Marko Grobelnik and Dunja Mladenić
  - ESWS-2004 Tutorial on Knowledge Discovery & the Semantic Web by Marko Grobelnik and Dunja Mladenić
  - ECML/PKDD-2001 Text Mining Tutorial: What if your data is made of words?

### **Organizing international events (Program Chair and Organizing Committee member),**

- Slovenian KDD conference SiKDD-2008 at IS-2009
- ECML/PKDD-2007 Workshop on Web Mining 2.0
- Slovenian KDD conference SiKDD-2007 at IS-2008
- IJCAI-2007 Workshop on Text-Mining and Link-Analysis (TextLink-2007)
- KDD-2006 Workshop on Link Analysis: Dynamics and Static of Large Networks (LinkKDD-2006)
- ECML/PKDD-2006 Workshop on Web Mining 2006 (WebMine 2006)
- ECML/PKDD-2005 Workshop on European Web Mining Forum 2005 (EWMF 2005)
- KDD-2005 Workshop on Link Analysis and Link Detection (LinkKDD-2005)
- AAAI-2005 Workshop on Link Analysis
- KDD 2004 Workshop on Link Analysis and Group Detection
- IJCAI 2003 Workshop on Text-Mining and Link-Analysis
- KDD 2003 Workshop on Operational Text Classification
- KDD 2003 Workshop on Link Analysis
- ECML/PKDD-2003 First European Web Mining Forum (WebMine-2003)
- ECML/PKDD-2003 Workshop on Multimedia Discovery and Mining
- ICML-2002 Workshop on Text Learning (TextKDD-2002)
- ICDM'2001 Workshop on Text Mining (TextDM 2001), San Jose, CA, USA
- ECML/PKDD Workshop Integrating Aspects of Data Mining, Decision Support and Meta-Learning (IDDM 2001), Freiburg, Germany
- Slovenian KDD conference SiKDD (yearly, since 2001)
- IS2001 Conference on Data Mining and Decision Support in Action!, Ljubljana, Slovenia.
- IS 2001 Information Society Conference, Ljubljana, Slovenia
- KDD-2000 Workshop on Text Mining, Boston, MA, USA

- IS 2000 Information Society Conference, Ljubljana, Slovenia.
- ICML 1999 The Sixteenth International Conference on Machine Learning (ICML'99)
- IS 1999 Information Society Conference, Ljubljana, Slovenia.
- ICML 1999 Workshop on Recent Advances in Meta-Learning and Future Work
- ICML 1999 Workshop on Machine Learning in Text Data Analysis
- IS 1999 Conference on Analyzing, warehousing and mining the data, Ljubljana, Slovenia
- IS 1998 Information Society Conference, Ljubljana, Slovenia
- Organization Committee member,
  - *CADAM'95 Conference on Computer-Aided Data Analysis in Medicine*, Bled, Slovenia.
  - *ILP 1993 The Third International Workshop on Inductive Logic Programming*, Bled, Slovenia.

## **Selected bibliography (a subset)**

### **Journals**

1. Bhole, Abhijit, Fortuna, Blaž, Grobelnik, Marko, Mladenić, Dunja. Extracting named entities and relating them over time based on Wikipedia. *Informatica (Ljublj.)*, dec. 2007, vol. 31, no. 4, pp. 463-468.
2. Fortuna, Blaž, Grobelnik, Marko, Mladenić, Dunja. OntoGen: semi-automatic ontology editor. *Lect. notes comput. sci.*, 2007, vol. 4558, pp. 309-318.
3. Plisson, Joël, Lavrač, Nada, Mladenić, Dunja, Erjavec, Tomaž. Ripple down rule learning for automated word lemmatisation. *AI commun.*, 2008, vol. 21, no. 1, pp. 15-26.
4. Brank, Janez, Mladenić, Dunja, Grobelnik, Marko, Milić-Frayling, Nataša. Feature selection for the classification of large document collections. *J. univers. comput. sci. (Online)*, 2008, vol. 14, no. 10, pp. 1562-1596. [http://www.jucs.org:80/jucs\\_14\\_10/feature\\_selection\\_for\\_the](http://www.jucs.org:80/jucs_14_10/feature_selection_for_the).
5. Brank, Janez, Grobelnik, Marko, Mladenić, Dunja. Predicting category additions in a topic hierarchy. *Lect. notes comput. sci.*, 2008, vol. 5367, pp. 1611-3349.
6. Grobelnik, Marko, Mladenić, Dunja Fortuna, Blaž,. Semantic technology for capturing communication inside an organisation. *IEEE internet computing*, 2009, vol. 13, no. 4, pp. 59-66.
7. Rusu, Delia, Fortuna, Blaž, Grobelnik, Marko, Mladenić, Dunja. Semantic graphs derived from triplets with application in document summarization. *Informatica (Ljublj.)*, 2009, vol. 33, no. 3, pp. 357-362.
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