

Curriculum Vitae

Antonija (Tanja) Mitrovic

Professor and Head of Department
Department of Computer Science and Software Engineering
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Academic Qualifications

1994, Ph.D. (Computer Science), University of Nis, Yugoslavia, "Reconstructive approach to student modeling in intelligent educational systems"

1991, M.Sc. (Computer Science), University of Nis, Yugoslavia, "Interactive induction of procedures using techniques of machine learning based on similarities in examples"

1987, B.Eng. (Computer Science and Engineering), University of Nis, Yugoslavia

Professional positions held

Dec 2009 – Head of Department, Department of Computer Science and Software Engineering, University of Canterbury

2008- Professor, Department of Computer Science and Software Engineering, University of Canterbury

2005-2007, Associate Professor, Department of Computer Science and Software Engineering, University of Canterbury

1998-2004, Senior Lecturer, Computer Science Department, University of Canterbury

1995-1997, Lecturer, Computer Science Department, University of Canterbury

1991-1994, Lecturer, Computer Science Department, University of Nis, Yugoslavia

1987-1991, Assistant Lecturer, Computer Science Department, University of Nis, Yugoslavia

Research specialty and major research grants

Dr Mitrovic's has 24 years of research experience. Her research area is Artificial Intelligence in Education, with a focus on Student Modeling. She is the leader of the Intelligent Computer Tutoring Group (ICTG), which is internationally recognized as one of the leading groups in the area of Artificial Intelligence in Education.

Major Research Grants:

2004, Project leader, TEC's e-Learning Collaborative Development Fund (eCDF) grant 502, \$417,485 of funding for one year. The title of the project: "ASPIRE: a development suite for web-enabled intelligent learning agents" ASPIRE is a web-enabled authoring system for building intelligent tutoring systems. Its targeted user group is tertiary teachers who will be able to use it to develop online tutoring systems for their courses.

2005, Project leader on the TEC's e-Learning Collaborative Development Fund (eCDF) grant 502 (\$417,485 for one year) eCDF grant 592 in 2005 (\$245,000 for one year, to enhance and evaluate ASPIRE.

2006, Project leader, Hewlett-Packard Technology for Teaching grant in 2006 (equivalent of US\$70,000), consisting of all necessary equipment for a networked classroom.

2007, Co-leader. IDF grant 638 in collaboration with CPIT, to develop VIPER

Subcontractor on an NSF grant awarded to Prof Peter Brusilovsky, the University of Pittsburgh, USA, titled "Personalized Interactive Exercises for Database Courses". My role in the project was to investigate how SQL-Tutor, our intelligent tutoring system, can exchange data and services with the Uni of Pittsburgh knowledge portal called KnowledgeTree.

2010, Investigator, FRST grant, Automatic vine pruning, (\$2.8M for four years)

2011, Principal investigator, Marsden grant, Cognitive rehabilitation after stroke (\$830,000 for three years)

Offices held

2009-2011, Reviewer for the EU Framework 7 project "Grapple"

2008-, Executive Committee Member of the Asia-Pacific Society for Computers in Education (APSCE)

2008-, Associate editor, Journal of Research and Practice of Technology-Enhanced Learning

2007-2008, Member of the search committee for the Editor-in-Chief of a new journal (IEEE Transaction on Learning Technologies)

2007-, Editorial Board Member, Journal on Technology, Instruction, Cognition and Learning

2007-, Editorial Board Member for the User Modeling and User-Adapted Interaction journal

2007-, Editorial Board Member, Journal of Universal Computer Science

2006-, Associate editor of the Computer Science and Information Systems journal

2001-, Member of the Editorial Board of the Int. Journal of Artificial Intelligence in Education

Professional Distinctions and Awards

Distinguished Researcher Award (2011), Asia-Pacific Society for Computers in Education.

AAEE Engineering Education Excellence Award (2007), Category: Programs that Enhance Student Learning: Innovation in Curricula, Learning & Teaching. AAEE is the Australasian Association for Engineering Education.

Ranked 7th on the Microsoft's Academic Research, under the Computer Education category, with 141 publications and 1,011 citations (retrieved on October 21, 2011).

http://academic.research.microsoft.com/CSDirectory/author_category_23.htm.

University of Canterbury Teaching Award in 2003

Rotary International Grant for University Teachers, 2003

Erskine Fellowship to visit several universities in Europe and Canada, 2001.

Erskine Fellowship to visit several universities in USA, Europe and Australia, 1998.

WUSC Fellowship, Computer Science Department, University of Calgary, 1989-1990.

Academic Excellence Award, Faculty of Engineering, University of Nis, Yugoslavia, 1987.

Grant Reviewing

2009-2011, Reviewer for the EU Framework 7 project "Grapple"

2009-, Reviewer for Engineering and Physical Sciences Research Council, UK

2007-, Reviewer for NSERC (Natural Sciences and Engineering Research Council of Canada)

2007-, ICT theme of the European Commission 7th Framework Programme

Program Committees – Chair

Organizing Chair for the 15th International Conference on Artificial Intelligence in Education, to be held in Christchurch in June 2011, <http://www.aied2011.canterbury.ac.nz/>

2011, Program Co-Chair of the International Conference on Computers in Education ICCE 2011, Thailand

2010, Program Co-Chair of the International Conference on Computers in Education ICCE 2010, Malaysia, <http://www.icce2010.upm.edu.my/>

2010, Co-Chair of the Interactive Events, the 10th International Conference on Intelligent Tutoring Systems ITS 2010, Pittsburgh, USA <http://sites.google.com/site/its2010home/>

2010, Co-Chair of the workshop titled “Intelligent Tutoring Technologies for Ill-Defined Problems and Ill-Defined Domains” at the ITS 2010 conference

2009, Program Co-Chair of the Int. Conference on Computers in Education ICCE 2009, Hong Kong, <http://www.icce2009.ied.edu.hk/>

2009, Co-Chair of the workshop titled “Closing the Affect Loop in Intelligent Learning Environments” at the 14th international conference on Artificial Intelligence in Education, Brighton, UK on July 6th 2009

2009, Co-Chair of the Young Researcher Track at the 14th Int. Conf on Artificial Intelligence in Education, Brighton, 6-10.7.2009.

2006, Co-chaired the student track at the 8th Int. Conf on Intelligent Tutoring Systems, Taiwan

2006, Co-Chair of the workshop titled “Problem Authoring, Generation and Posing in Computer-based Learning Environments” at the International Conference on Computers in Education, Beijing, China, 30.11-4.12.2006.

2005, Program Co-Chair of the 10th Int. Conference on User Modelling 2005

Program Committees – Member (selected, last five years)

Senior Program Committee Member, Intelligent Tutoring Systems 2012, <http://its2012.teicrete.gr/>

UMAP 2012, 20th International Conference on User Modeling, Adaptation and Personalization <http://www.umap2012.org>

LAK 2012, 2nd International Conference on Learning Analytics and Knowledge, <http://lak12.sites.olt.ubc.ca>

Senior Program Committee Member, 10th. Int. Conf Intelligent Tutoring Systems, Pittsburgh, USA, <http://sites.google.com/site/its2010home/>

UMAP 2010, 18th International Conference on User Modeling, Adaptation and Personalization, 20-24.6.2010, <http://www.hawaii.edu/UMAP2010/>

EDM 2010, 3rd International Conference on Educational Data Mining, Pittsburgh, USA, 11-13.6.2010, <http://www.aimsconference.org/>

PRICAI 2010 - Pacific Rim International Conference on Artificial Intelligence, 30.8-2.9.2010, Daegu, Korea, <http://www.pricai2010.org/>

AIMSA 2010, 14h International Conference on Artificial Intelligence, 8-10.9.2010, <http://www.aimsconference.org/>

IFIP AI 2010, Brisbane, Australia, September 2010, <http://ifiptc12.org/ifipai2010>

EDM 2009, 2nd International Conference on Educational Data Mining, Cordoba, Spain, 1-3.7.2009, <http://www.educationaldatamining.org/EDM2009/>

UMAP 2009, 17th International Conference on User Modeling, Adaptation and Personalization, Trento, Italy, 22-26.6.2009, <http://umap09.fbk.eu/>
ITS 2008, 9th. Int. Conf Intelligent Tutoring Systems, Montreal <http://gdac.dinfo.uqam.ca/its2008/>
International Conference on User Modeling, 2005- present
ITS 2006, 8th. Int. Conf Intelligent Tutoring Systems, Jhongli, Taiwan, 26-30.6.2006
AH 2006
IFIP AI 2006, <http://www.tech.port.ac.uk/~bramerm/santiago/>
International Conference on Artificial Intelligence in Education AIED 2005 - present
AERA 2005-present,
AI 2006
FLAIRS 2008-present,
ECTEL 2009
CogSci 2010

Journal Reviewer

IEEE Intelligent Systems
IEEE Transactions on Teaching and Learning Technologies
ACM Computing Surveys
International Journal of Artificial Intelligence in Education
Journal on Technology, Instruction, Cognition and Learning
Information and Software Technology journal
International Journal of Continuing Engineering Education and Life Long Learning
User Modeling and User-Adapted Interaction
Research and Practice in Technology Enhanced Learning
Journal on Universal Computer Science
International Journal on Interactive Learning Environments
Human-Computer Studies
Computers in Human Behaviour
Computers & Education

Keynote Speeches

Mitrovic, A. Further investigation of feedback types for ITSs. Invited talk at the 16th Int. Conf. Computers in Education ICCE 2008, 27-31.11.2008, Taipei, Taiwan.

Mitrovic, A. Intelligent Tutoring Systems and eLearning. eLearning Seminar, Belgrade, 27-28 April 2006.

Mitrovic, A. Authoring Constraint-based Tutors. Invited talk presented at the Workshop on Authoring Tools for Advanced Learning Environments with Standards, at the e-learning summit (<http://colab.ltmemphis.org/els/>), Memphis, 15-19.11.2005.

Mitrovic, A. Constraint-based Tutors: A Success Story. Invited talk presented at the 12th Int. Conf. Artificial Intelligence in Education, Amsterdam, 18-22.7.2005. C-K Looi, G. McCalla, B. Bredeweg, J. Breuker (eds) Proc. Artificial Intelligence in Education AIED 2005, IOS Press, p. 5.

Mitrovic, A. and Djordjevic-Kajan, S., OO paradigm meets GIS: a new era in spatial data management. *YUGIS'96*, Belgrade, Yugoslavia, 141-148, 1996.

Memberships of Professional Organizations

Artificial Intelligence in Education Society (AIED)
IEEE Computer Society
Association for Computing Machinery (ACM)

Association for Advancement of Artificial Intelligence (AAAI)

International Society of the Learning Sciences (ISLS)

User Modeling Society (UM)

American Educational Research Association (AREA)

Australasian Association for Engineering Education (AAEE)

PhD Graduates

Dr Michael Mayo, 2001 (Senior Lecturer at the University of Waikato)

Dr Brent Martin, 2002 (Senior Lecturer at the University of Canterbury)

Dr Pramuditha Suraweera, 2006 (Research Fellow, Monash University, Australia)

Dr Nilufar Baghaei, 2007 (post-doctoral fellow, CSIRO, Australia)

Publications (in chronological order)

Peer reviewed journal articles

1. Djordjevic, S., Mitrovic, A., Query language of the KAP system. *Praksa*, 3-4, 73-81, 1988 (in Serbian)
2. Mitrovic, A., Expert systems for information retrieval. *Automatika*, 30(3-4), 95-106, 1989 (in Serbian)
3. Mitrovic, A., Empirical learning. *International Journal on Systems Research & Information Science*, 4, 101-111, 1990.
4. Mitrovic, A; Witten, I.H., Maulsby, D., An experiment in the application of similarity-based learning to programming-by-example. *Intelligent Systems*, 9(4), 341-364, 1994.
5. Mitrovic, D., Radenkovic, Z., Mitrovic, A., PLEX - a knowledge-based system for urban planning. *Int. J. Systems Research & Information Science*, 6, 141-149, 1994.
6. Djordjevic-Kajan, S., Mitrovic, D., Mitrovic, A., Radenkovic, Z., Knowledge-based software testing. *INFO*, 3, 17-22, 1995 (in Serbian).
7. Mitrovic, A., Djordjevic-Kajan, S., Interactive Reconstructive Student Modeling: a Machine Learning Approach. *Int. J. Human-Computer Interaction*, 7(4), 385-401, 1995.
8. Mitrovic, A., Djordjevic-Kajan, S., Stoimenov, L., INSTRUCT: Modeling Students by Asking Questions. *User Modelling and User-Adapted Interaction*, 6(4), 273-302, 1996
9. Stoimenov, L., Mitrovic, A., Djordjevic-Kajan, S., Bridging Objects and Relations: a mediator for an OO front-end to RDBMSs. *Information and Software Technology*, Elsevier, 41(2), 59-68, 1999.
10. Mitrovic, A., Ohlsson, S., Evaluation of a Constraint-Based Tutor for a Database Language. *Int. J. Artificial Intelligence in Education*, 10(3-4), 238-256, 1999.
11. Mayo, M., Mitrovic, A., Optimising ITS Behaviour with Bayesian Networks and Decision Theory. *International Journal on Artificial Intelligence in Education*, 12(2), 124-153, 2001.
12. Martin, B., Mitrovic, A. Easing the ITS bottleneck with Constraint-Based Modeling. *New Zealand Journal of Computing*, 8(3), 38-47, 2001.
13. Mitrovic, A., Martin, B., Mayo, M. Using Evaluation to Shape ITS Design: Results and Experiences with SQL-Tutor. *Int. J. User Modeling and User-Adapted Interaction*, 12(2-3), 243-279, 2002.
14. Mitrovic, A. An Intelligent SQL Tutor on the Web. *Int. J. Artificial Intelligence in Education*, 13(2-4), 173-197, 2003.
15. Mitrovic, A., Devedzic, V. A Model of Multitutor Ontology-based Learning Environments. *Int. J. Continuing Engineering Education and Life-Long Learning*, 14(3), 229-245, 2004.
16. Mitrovic, A., Suraweera, P., Martin, B., Weerasinghe, A. DB-suite: Experiences with Three Intelligent, Web-based Database Tutors. *Journal of Interactive Learning Research*, 15(4), 409-432, 2004.
17. Suraweera, P, Mitrovic, A., An Intelligent Tutoring System for Entity Relationship Modelling. *Int. J. Artificial Intelligence in Education*, 14(3-4), 375-417, 2004.

18. Mitrovic, A. Scaffolding Answer Explanation in a Data Normalization Tutor. *Facta Universitatis, Series Elec. Energ.*, 18(2), 151-163, 2005.
19. Weerasinghe, A., Mitrovic, A. Facilitating Deep Learning through Self-Explanation in an Open-ended Domain. *Int. J. of Knowledge-based and Intelligent Engineering Systems*, IOS Press, 10(1), 3-19, 2006.
20. Mitrovic, A., Ohlsson, S., Martin, B. Problem-solving support in constraint-based tutors. *Technology, Instruction, Cognition and Learning*, 3(1-2), 43-50, 2006.
21. Mitrovic, A., Ohlsson, S. Constraint-Based Knowledge Representation for Individualized Instruction. *Computer Science and Information Systems*, 3(1), 1-22, 2006.
22. Baghaei, N., Mitrovic, A., Irwin, W. Problem-Solving Support in a Constraint-based Intelligent Tutoring System for UML. *Technology, Instruction, Cognition and Learning*, 4(2), 113-137, 2006.
23. Mitrovic, A., and the ICTG team. Large-Scale Deployment of three intelligent web-based database tutors. *Journal of Computing and Information Technology*, 14(4), 275-281, 2006.
24. Mitrovic, A., Martin, B. Evaluating the Effect of Open Student Models on Self-Assessment. *Int. J. Artificial Intelligence in Education*, 17(2), 121-144, 2007.
25. Mitrovic, A., Martin, B., Suraweera, P. Intelligent tutors for all: Constraint-based modeling methodology, systems and authoring. *IEEE Intelligent Systems*, 22(4), 38-45, 2007.
26. Baghaei, N., Mitrovic, A., Irwin, W. Supporting collaborative learning and problem-solving in a constraint-based CSCL environment for UML class diagrams. *Int. J. Computer-Supported Collaborative Learning*, 2(2-3), 159-190, 2007.
27. Ohlsson, S., Mitrovic, A. Fidelity and Efficiency of Knowledge representations for intelligent tutoring systems. *Technology, Instruction, Cognition and Learning*, 5(2), 101-132, 2007.
28. Martin, B., Mitrovic, A., Suraweera, P. ITS domain modelling with Ontology. *J. Universal Computer Science*, 14(17), 2758-2776, 2008.
29. Mitrovic, A., Martin, B., Suraweera, P., Zakharov, K., Milik, N., Holland, J., McGuigan, N. ASPIRE: an authoring system and deployment environment for constraint-based tutors. *Int. J. Artificial Intelligence in Education*, 19(2), 155-188, 2009.
30. Thomson, D., Mitrovic, A. Preliminary evaluation of a negotiable student model in a constraint-based ITS. *Research, Practice in Technology Enhanced Learning*, 5(1). 1-15, 2010.
31. Weerasinghe, A., Mitrovic, A., Martin, B. Towards individualized dialogue support for ill-defined domains. *Int. Journal on Artificial Intelligence in Education*, 19(4), 357-379, 2009.
32. Suraweera, P., Mitrovic, A., Martin, B. Widening the Knowledge Acquisition Bottleneck for Constraint-based Tutors. *Int. J. Artificial Intelligence in Education*, 20(2), 137-173, IOS Press, 2010. DOI 10.3233/JAI-2010-0005
33. Martin, B., Mitrovic, A., Koedinger, K., Mathan, S. Evaluating and Improving Adaptive Educational Systems with Learning Curves. *User Modeling and User-Adapted Interaction*, vol 21, no 3, pp. 249-283, 2011. DOI 10.1007/s11257-010-9084-2
34. Mitrovic, A. Fifteen years of Constraint-Based Tutors: What we have achieved and where we are going. *User Modeling and User-Adapted Interaction*, 2012 (in print)

Books Edited

1. Liliana Ardissono, Paul Brna, Antonija Mitrovic (eds), *User Modeling 2005*. Springer-Verlag, Lecture Notes in Artificial Intelligence, vol. 3538, 2005.
2. Antonija Mitrovic, Von-Wun Soo, *Proceedings of the Student Track, 8th Int. Conf on Intelligent Tutoring Systems*, Jhongli, Taiwan, 26-30.6.2006.
3. Tsukasa Hirashima, Fu-Yun Yu, Tanja Mitrovic and Tomoko Kojiri (eds) *Proceedings of the ICCE 2006 Workshop on Problem Authoring, Generation and Posing in Computer-based Learning Environments*, Beijing, China, 30.11-4.12.2006. <http://www.watanabe.ss.is.nagoya-u.ac.jp/ICCE2006/>
4. Tak-Wai Chan, Gautam Biswas, Fei-Ching Chen, Sherry Chen, Chien Chou, Michael Jacobson, Kinshuk, Fanny Klett, Chee-Kit Looi, Tanja Mitrovic, Riichiro Mizoguchi, Kiyoshi Nakabayashi, Peter Reimann, Daniel Suthers, Stephen Yang, Jie-Chi Yang (eds) *Proceedings of 16th ICCE 2008*, Taipei, Taiwan, http://www.apsce.net/icce2008/program_cp.html

5. Cristina Conati, Antonija Mitrovic, Proceedings of the AIED 2009 Workshop on Closing the Affect Loop, 2009. <http://aspire.cosc.canterbury.ac.nz/AIED2009-AffectiveLoopWorkshopProceedings.pdf>
6. Kong, S.C., Ogata, H., Arnseth, H.C., Chan, C.K.K., Hirashima, T., Klett, F., Lee, J.H.M., Liu, C.C., Looi, C.K., Milrad, M., Mitrovic, A., Nakabayashi, K., Wong, S.L., Yang, S.J.H. (eds.) (2009). Proceedings of the 17th International Conference on Computers in Education [CDROM]. Hong Kong: Asia-Pacific Society for Computers in Education.
7. Tsukasa Hirashima, Tomoko Kojiri, Tanja Mitrovic and Fu-Yun Yu (eds) Proceedings of the ICCE 2009 Workshop on Modeling, Management and Generation of Problems/Questions in Technology-Enhanced Learning, Hong Kong, 30.11-4.12.2009.
8. Biswas, G., Bull, S., Kay, J., Mitrovic, A. (eds.) Proceedings of the 15th International Conference on Artificial Intelligence in Education, Auckland, Springer-Verlag, Lecture Notes in Artificial Intelligence LNAI 6738, 638p, 2011. DOI 10.1007/978-3-642-21869-9

Book Chapters

1. Weerasinghe, A., Mitrovic, A. Supporting Deep Learning in an Open-ended Domain. In: M. Negoita, B. Reusch (eds) Real World Applications of Computational Intelligence. New Zealand * German School of Computational Intelligence: Selected Lectures Given at KES'2004 Conference. Springer-Verlag, [Studies in Fuzziness and Soft Computing](#), Vol. 179, pp. 105-152, 2005.
2. Sosnovsky, S., Brusilovsky, P., Yudelson, M., Mitrovic, A., Mathews, M., Kumar, A. Semantic integration of adaptive educational systems. In: T. Kuflik, S. Berkovsky, F. Carmagnola, and D. Heckmann (eds), [Advances in Ubiquitous User Modelling: Revised Selected Papers](#), Springer LCNS, vol 5830, pp. 134-158, 2009. <http://www.springerlink.com/content/t363512p0x2q7780/>
3. Suraweera, P., Mitrovic, A., Martin, B., Holland, J., Milik, N., Zakharov, K., McGuigan, N.. Ontologies for authoring instructional systems. D. Dicheva, R. Mizoguchi, J. Greer (eds.) [Semantic Web Technologies for e-Learning](#). IOS Press, ISBN: 978-1-60750-062-9, pp. 77-95, 2009. <http://www.iospress.nl/loadtop/load.php?isbn=9781607500629>
4. Mitrovic, A. Modeling Domains and Students with Constraint-Based Modeling. In: R. Nkambou, J. Bordeaux, R. Mizoguchi (eds) [Advances in Intelligent Tutoring Systems](#), Springer. 2010 (in print)

Editorials

1. Mitrovic, A. Special Issue on Problem Solving Support in Intelligent Tutoring Systems. *Technology, Instruction, Cognition and Learning*, vol. 4, no. 2-4, 109-111, 2006.
2. Mitrovic, A., Koedinger, K. Special issue on Authoring Systems for ITSs. *IJAIED*, 19(2), 103-104, 2009

Papers in Refereed Conference Proceedings

1. Mitrovic, A., Djordjevic, S., Inverted file structure in database retrieval systems for small computers. *32nd Yugoslav Conference ETAN*, v8, pp. 153-160, 1988 (in Serbian)
2. Djordjevic, S., Mitrovic, A., Parameterized system for retrieval of databases on small computers. *12th Symp. Inf. Technologies*, Sarajevo, 1989 (in Serbian)
3. Mitrovic, A. and Djordjevic, S., The effect of parametrization on program complexity. *33rd Yugoslav Conf. ETAN*, v8, pp. 243-250, 1989 (in Serbian)
4. Mitrovic, A., Stojiljkovic, V., Kitanovic, R., Veljkovic, B., Stoimenov, L., ESCID - an expert system for cigarette design. *5th Yugoslav Symp. CAD/CAD systems*, pp. 121-126, 1992 (in Serbian).
5. Mitrovic, A., A similarity-based approach to procedure induction. *36th Yugoslav Conf. ETAN*, pp. 289-296, 1992 (in Serbian)
6. Stojiljkovic, V., Krstic, M., Mitrovic, A., Concept of an expert system for rectangular forgings design. *24th Yugoslav Symp. Mechanical Engineering*, pp. 45-52, 1992. (in Serbian).

7. Mitrovic, A. and Djordjevic, S., Machine learning. *9th Conf. on Industrial Systems*, pp. 2/33-2/36, 1993 (in Serbian)
8. Djordjevic, S., Mitrovic, A., Radenkovic, Z., Life cycle models for knowledge-based systems, *9th Conf. on Industrial Systems*, pp. 2/25-2/28, 1993. (in Serbian)
9. Djordjevic, S., Mitrovic, D., Stoimenov, L., Mitrovic, A., Milenkovic, A., Mapsys - a command, control and communication system for spatial objects. *37th Yug. Conf. ETAN*, pp. 183-188, 1993 (in Serbian).
10. Stoilkjovic, V., Mitrovic, A., Stoimenov, L., Milovanovic, D. EXCAST - expert system for designing casting technology. *Conf. Moving Towards Expert Systems Globally in the 21st Century*, Lisbon, Portugal, pp. 635-640, 1994
11. Mitrovic, A., Djordjevic, S., Stoimenov, L., SINT - an intelligent educational system for symbolic integration. *38th Yugoslav Conf. ETRAN*, pp. 219-220, 1994 (in Serbian)
12. Stoimenov, L., Djordjevic, S. and Mitrovic, A. Experiences in the application of Coad-Yourdon method of object-oriented analysis to development of the SINT system. *38th Yugoslav Conf. ETRAN*, pp. 221-222, 1994 (in Serbian)
13. Skevin, S., Ljubojevic, L., Mitrovic, A., *Knowledge manipulation system based on the CLASSIC data model*. *38th Yugoslav Conf. ETRAN*, pp. 105-106, 1994 (in Serbian)
14. Mitrovic, D., Djordjevic, S., Mitrovic, A., Radenkovic, Z., Stoimenov, L., MapSys - a spatial objects control system. *3rd Int. Conf. on Automation, Robotics and Computer Vision*, WA6.1, pp. 93-97, 1994.
15. Mitrovic, A., Djordjevic, S., Stoimenov, L., Stanic, Z., Urosevic, Lj., Superintendence information system of firefighting and preventive-technical protection. *PITT'94*, pp. 28-1/4, 1994.
16. Djordjevic, S., Mitrovic, D., Mitrovic, A., Stoimenov, L., Rancic, D., Information system of firefighting and preventive-technical protection. *PIIT'94*, pp.29-1/29-4, 1994. (in Serbian)
17. Stoimenov, L., Stanic, Z., Djordjevic - Kajan, S., Mitrovic, A., Temporal databases in the INSPEKTOR information system. *ETAN*, pp.20-22, 1995. (in Serbian)
18. Stanic, Z., Stoimenov, L., Mitrovic, A., Object-oriented approach in user interface design of the INSPEKTOR system. *ETAN*, pp. 42-45, 1995. (in Serbian)
19. Mitrovic, D., Djordjevic-Kajan, S., Mitrovic, A., Intelligent GIS as an aid in urban planning. *17th Int. Cartographic Conference*, pp. 1486-1490, 1995.
20. Djordjevic-Kajan, S., Mitrovic, A., Stankovic, B., Dzunic, Z. and Mitrovic, N, MEDIS - a public services information system. *YU-INFO*, 1995 (in Serbian)
21. Djordjevic-Kajan, S., Mitrovic, D., Rancic, D., Petkovic, M., Mitrovic, A., MapEdit - Software for Creating a Continuous Raster Map Base. *EUROCATO 13*, S. Folving, A. Burrill, J. Meyer-Roux (eds), pp. 171-176, 1995.
22. Djordjevic-Kajan, S., Mitrovic, D., Mitrovic, A., Stoimenov, L., Stanic, Z., Intelligent GIS for Fire Department Services. *EUROCATO 13*, S. Folving, A. Burrill, J. Meyer-Roux (eds), pp. 185-196, 1995.
23. Mitrovic, D., Mitrovic, A., Djordjevic-Kajan, S., Rancic, D., A GIS solution for developing countries. *AURISA-95*, pp. 262-271, 1995
24. Muruges S., Bell, T., Mitrovic, A., Learning by Developing Expert Systems. *NZ Computer in Education Society Conference*, pp. 191-200, 1996.
25. Mitrovic, A., Mitrovic, D., Djordjevic-Kajan, S., A scalable, object-oriented GIS Framework. *ISPRS Int. Workshop Hardware and Software Aspects of GIS*, pp. 130-141, 1996.
26. Petkovic, M., Milenkovic, A., Mitrovic, D., Mitrovic, A., GIS in urban planning. *YUGIS'96*, pp. 243-249, 1996. (in Serbian)
27. Mitrovic, D., Mitrovic, A., Rancic, D., Global Positioning Systems as means for entering spatial data into GIS. *YUGIS'96*, pp.177-183. 1996. (in Serbian)
28. Mitrovic, A., Mitrovic, D., Djordjevic-Kajan, S., GinisNT - a platform for object-oriented development of GIS. *YUGIS'96*, pp. 237-242, 1996. (in Serbian)
29. Stoimenov, L., Mitrovic, A., Stojanovic, D., Coupling OO GIS applications with relational databases. *YUGIS'96*, pp. 229-235, 1996. (in Serbian)
30. Petkovic, M., Milenkovic, A., Mitrovic, D., Djordjevic-Kajan, S., Mitrovic, A., GIS Applications in Urban and Environmental Planning. *1st Int. Conf. on GIS in Urban, Regional and Environmental Planning*, T. Sellis, D. Georgoulis (eds), pp. 1-10, 1996.

31. Mitrovic, A., SINT -a Symbolic Integration Tutor. *ITS'96*, Lecture Notes in CS, C. Frasson, G. Gauthier, A. Lesgold (eds), Springer, pp. 587-595, 1996
32. Djordjevic-Kajan, S., Petkovic, M., Stoimenov, L., Mitrovic, A., Mladenovic, S., Tomic, M., GIS in Nis. *GIS/LIS '96*, 1996: 92-101.
33. Stoimenov, L., Djordjevic, S., Mitrovic, A., Mapping object-oriented into the relational data model. *40th ETRAN conf*, 3, pp: 271-274, 1996. (in Serbian)
34. Djordjevic-Kajan, S., Kajan, E., Mitrovic, D. and Mitrovic, A., A platform for open object-oriented GISs. *40th ETRAN Conf.*, v3, pp. 263-266, 1996. (in Serbian)
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