Atanas Radenski

Chapman University
Schmid College of Science and Technology
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Work Experience

Professor of Computer Science, Chapman University, Orange, California (2001-present)
Professor of Computer Science, Winston-Salem State University, Winston-Salem, North Carolina
(1993-2001)
Associate Professor, Southwest State University, Minnesota (1991-93)
Visiting Assistant Professor, Clark University, Massachusetts (1990-91)
Associate/Full Professor, Sofia University, Bulgaria (1982-92; on leave 1990-92)
Research Scientist, Bulgarian Academy of Sciences (1976-82)

Education

Postdoctoral: Sofia University and Central Scientific Commission, Sofia, Bulgaria, Computer
Science, Dr.Sc., 1988
Graduate: Sofia University and Central Scientific Commission, Sofia, Bulgaria, Computer
Science, Ph.D., 1976
Undergraduate: Sofia University, Bulgaria, Computational Mathematics with concentration on
Mathematical Software, B.S., 1972

Fields of Concentration

Current: High-performance computing, big data and cloud computing; programming languages,
object-oriented computing, e-learning
Previous: Functional and logic programming, data bases, information systems

Awards / Recognitions

Fulbright Scholar award, J. William Fulbright Foreign Scholarship Board, US Department of State
(2008)
R. J. Reynolds distinguished professorship, Winston-Salem State University, Winston-Salem,
North Carolina (1993-2001)

Funded Projects as Primary Investigator

National Science Foundation, Division of Computer-Communications Research, Software
Engineering and Languages Program, 2003-06, $106,341, Grant 0243284: Class Overriding
for Anomaly-Free Component Adaptation
National Aeronautics and Space Administration, Glenn Research Center, 2000-2001, $51,839,
Grant NAG3-2515: Generic Divide and Conquer Internet-Based Computing
National Aeronautics and Space Administration, Glenn Research Center, $143,988, 1997-2000,
Grant NAG3-2011: Parallel Object-Oriented Programming in Network Environment
National Science Foundation, CISE Programming Languages and Compilers Program, 1995-98,
with no-cost extension to August 1999, $100,473, Grant CCR-9509223: Parallel Object-
Oriented Programming with Multiple Inheritance
Piedmont Triad Engineering Research Center, Winston-Salem, North Carolina, 1995, $11,791:
Distributed Object-Oriented Programming

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Funded Projects as Research Mentor
North Carolina Space Consortium, Undergraduate Research Scholarship Program, 1996, 1997, 1999, and 2001. National Science Foundation, Summer Student Research Supplement, 2005

Current Professional Memberships
Association for Computing Machinery (ACM)
Computer Society of the Institute of Electrical and Electronic Engineers (IEEE)
ACM's Special Group on Computer Science Education (ACM SIGCSE)
ACM's Special Group on Programming Languages (ACM SIGPLAN)

Teaching Activities
Undergraduate Courses: High-Performance Computing, Programming Languages, Software Components, , Compilers, Artificial Intelligence, Parallel Computing, Computer Organization, Computer Architecture, Computer Science I and II, Data Structures and Algorithms, Assembly Language, C in UNIX Environment, Programming in Ada, Automata and Formal Languages

Graduate Courses: High-Performance Computing, Topics in Programming Languages and Systems, Languages for Artificial Intelligence Programming, Seminar in Programming Languages, Mathematical Foundations of Computer Science, Database Management Systems, Special Topics in Computer Science

Theses Advised (partial list): Integration of Equational and Logic Programming, Parallel Programming in Backus' FP-systems, Computer Graphics in a Pure Functional Language, Implementing Subsets of Ada on Small Computers

Service
Chair of the Science Faculty Review Committee; Chair of the Library and Information Systems Committee; member of the Graduate Studies Council, the Faculty Personnel Council, the PhD in Computational Sciences committee and many search committees

Reviewer of dissertations on Integration of Logic Programming Systems and Database Management Systems, Object Oriented Development of Distributed Databases, Software Quality Analysis and Evaluation, and others. Reviewer of research grant proposals

Program Committee Chair / Program Committee Member / Guest Editor / Session Chair at various conferences

Member of the Editorial Board of the International Journal of Teaching and Case Studies, Inderscience Publishers UK; member of the Editorial Board of the Serdica Journal of Computing, Bulgarian Academy of Sciences

Software Skills
Programming languages: Python, Java, C, C++, Oberon, C#, PHP, Ada, Pascal, Fortran, Lisp, Prolog, Cobol, SQL, several assemblers

Operating Systems: Unix/Linux, Windows, VMS, and others

Platforms/Servers/Packages/APIs: Amazon Web Services (AWS, Hadoop MapReduce, Message Passing Interface (MPI), Open Multi-Processing (OpenMP), Parallel Virtual Machine (PVM), Moodle course management system, Apache, and many others

Languages
English (fluent), Bulgarian (fluent), Russian (fluent), French (basic skills)

Hobbies
Photography

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Journal Articles and Refereed Papers in Edited Volumes / Proceedings

Radenski, A., L. Ehwerhemuepha, K. Anderson. From in-disk to in-memory big data with Hadoop: Performance experiments with nucleotide sequence data. Proc. ABDA'15, the International Conference on Advances in Big Data Analytics, CSREA Press (H. Arabnia and M. Yang, Ed.), 2015, pp. 34-40.

Radenski, A. Big data, high-performance computing, and MapReduce. Proc. CompSysTech '14, the 15th International Conference on Computer Systems and Technologies. ACM, New York, NY, USA, 13-24.

Radenski, A., B. Norris. MapReduce Streaming Algorithms for Laplace Relaxation on the Cloud. In M. Bader, A. Bode, H.-J. Bungartz, M. Gerndt, G. Joubert, F. Peters (Eds), Series: Advances in Parallel Computing | Volume 25: Parallel Computing: Accelerating Computational Science and Engineering, Imperial College Press, 2014, 215 - 224.

Radenski, A., L. Ehwerhemuepha, Speeding-Up Codon Analysis on the Cloud with Local MapReduce Aggregation, Information Sciences, Elsevier, Information Sciences, Elsevier, 263 (2014), 175-185.

Radenski, A. Using MapReduce Streaming for Distributed Life Simulation on the Cloud, In Advances in Artificial Life, ECAL 2013, MIT Press, 2013, 284-291.

Radenski, A. Integrating Data-Intensive Cloud Computing with Multicores and Clusters in an HPC Course. In: Proceedings of the Seventeenth Annual Conference on Innovation and Technology in Computer Science Education (ITiCSE '12). ACM, New York, NY, USA, 69 -74. DOI=10.1145/2325296.2325316 http://doi.acm.org/10.1145/2325296.2325316.

Radenski A. Distributed Simulated Annealing with Mapreduce. In Proceedings of the 2012t European conference on Applications of Evolutionary Computation (EvoApplications'12), Cecilia Chio, Alexandros Agapitos, Stefano Cagnoni, Carlos Cotta, and Francisco Fernández Vega (Eds.). Springer-Verlag, Berlin, Heidelberg, 466-476. DOI=10.1007/978-3-642-29178-4_47 http://dx.doi.org/10.1007/978-3-642-29178-4_47.

Radenski, A. Shared Memory, Message Passing, and Hybrid Merge Sorts for Standalone and Clustered SMPs. Proc PDPTA'11, the 2011 International Conference on Parallel and Distributed Processing Techniques and Applications (H. Arabnia, Ed.), CSREA Press, 2011, 367 - 373.

Zanev, V. A. Radenski. Two-Language, Two-Paradigm Introductory Computing Curriculum Model and Its Implementation. Serdica Journal of Computing, vol 5, 2011, pp. 129 - 152.

Rößling G., M. McNally, P. Crescenzi, A. Radenski, P. Ihantola, M. G. Sánchez-Torrubia. Adapting Moodle to Better Support CS Education. ITiCSE-WGR '10, Proceedings of the 2010 ITiCSE Working Group Reports, ITiCSE 2010, ACM Press, 2010, 15-27.

Radenski, A., E. Stoeva. Enhancing Moodle with Heterogeneous Questions. Proc EEE'10, the 2010 International Conference on e-Learning, e-Business, Enterprise Information Systems, and e-Government , CSREA Press, 2010, pp. 328-331.

Radenski, A. Freedom of Choice as a Motivational factor in Active Learning. Proceedings of the Fourteenth Annual Conference on Innovation and Technology in Computer Science Education, ITiCSE 09, Université Pierre et Marie Curie, Paris, France, July 6-9, 2009, ACM Press, 21-25.

Radenski, A. Expanding Computing as an Academic Service Discipline. Computer, June 2009, Vol. 42, No 6, IEEE Computer Society, pp. 104, 101-103.

Rößling, G., M. Joy, A. Moreno, A. Radenski, L. Malmi, A. Kerren, T. Naps, R. Ross, M. Clancy, A. Korhonen, R. Oechsle, J. Á. Velázquez Iturbide. Enhancing Learning Management Systems to Better Support Computer Science Education. ACM SIGCSE Inroads, Vol. 40, No. 4, Dec 2008, 142-166.

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Journal Articles and Refereed Papers in Edited Volumes / Proceedings (continued)

Radenski, A. Patterns for Active E-learning in CMS Environments. Serdica Journal of Computing, Vol. 2, Number 3, 2008, 277-294.

Radenski, A., J. Furlong, V. Zanev. The Java 5 Generics Compromise Orthogonality to Keep Compatibility. Journal of Systems and Software, Elsevier Science, Vol. 81, Issue 11, 2008, 2069-2078.

Radenski, A. Digital Support for Abductive Learning in Introductory Computing Courses. Proceedings of the 38th ACM Technical Symposium on Computer Science Education, SIGCSE 07, Covington, Kentucky, USA, March 7-10, 2007, ACM Press, 14-18.

Furlong, J., A. Radenski. Handling the Subclassing Anomaly with Object Teams. International Journal on Information Theories and Applications, Institute of Information Theories and Applications, Sofia, Vol. 13, 2006, pp. 91-98. [Preliminary version published in the ACM SIGPLAN Notices, Vol. 40, No 8, 2005, ACM Press, 12-18.

Radenski, A. Python First: A Lab-Based Digital Introduction to Computer Science. Proceedings of the Eleventh Annual Conference on Innovation and Technology in Computer Science Education, ITiCSE 06, University of Bologna, Italy, June 26-28, 2006, ACM Press, 197-201.

Radenski, A. Anomaly-Free Component Adaptation with Class Overriding. Journal of Systems and Software, Elsevier Science, Vol. 71, Issues 1-2, 2004, 37-48.

Radenski, A. The Subclassing Anomaly in Evolving Cellular Application. Proceedings of the 2004 International Conference on Software Engineering, SERP'04, June 21-24, 2004, Las Vegas, Nevada, CSREA Press, 776-781.

Radenski, A. The Subclassing Anomaly in Compiler Evolution. International Journal on Information Theories and Applications, Institute of Information Theories and Applications, Sofia, Vol. 10, No 4, 2003, 394-399.

Radenski, A. Integrated P2P Architecture for High-Performance Computing and User Services. Proceedings of the 3rd International Conference on Internet Computing, IC'2002, June 24-27, 2002, Las Vegas, Nevada, CSREA Press, 423-428.

Radenski, A. Distributed Cellular Automata: Specification, Applications, and Subclassing Anomaly Analysis. Proceedings of the IASTED International Conference on Parallel and Distributed Computing and Systems, PDCS'2001, August 21-24, 2001, Anaheim, California, ACTA Press, 409-413.

Dichev, C., D. Dicheva, A. Radenski. A Framework for Dynamic Topic Clustering on the Web. Proceedings of the International Conference on Internet Computing, IC'2001, June 25-28, 2001, Las Vegas, Nevada, CSREA Press, 983-989.

Radenski, A., B. Norris. Generic Cluster-Computing Algorithms and Applications. Proceedings of the International Conference on Parallel and Distributed Processing Techniques, PDPTA'2000, June 26-29, 2000, Las Vegas, Nevada, CSREA Press, 485-491.

Radenski, A., B. Norris, W. Chen. A Generic All-Pairs Cluster-Computing Pipeline and Its Applications. In E. D. Hollander, C. Joubert, F. Peters, H. Sips (Eds), Parallel Computing: Fundamentals & Applications, Imperial College Press, 2000, 366-374

Radenski, A. Derivation of Secure Parallel Applications by Means of Module Embedding. In J. Gutkneht and W. Wech (Eds), Modular Programming Languages, Springer, 2000, 26-37.

Radenski, A., A. Vann, B. Norris. Development and Utilization of Generic Algorithms for Scientific Cluster Computations. In Henderson M., C. Anderson, and S. Lyons (Eds), Object Oriented Methods for Interoperable Scientific and Engineering Computing, SIAM, 1999, 97-105.

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Journal Articles and Refereed Papers in Edited Volumes / Proceedings (continued)

Radenski, A., A. Vann, B. Norris. Parallel Probabilistic Computations on a Cluster of Workstations. In E. D. Hollander, C. Joubert, F. Peters, U. Trottenberg, R. Völpel (Eds), Parallel Computing: Fundamentals, Applications and New Directions, Elsevier, 1998, 105-112.

Radenski, A., A. Vann, B. Norris. Development and Utilization of Generic Algorithms for Scientific Cluster Computations (preliminary report). In S. Demeyer, J. Bosch (Eds), Object-Oriented Technology: ECOOP'98 Workshop Reader, Springer, 1998, 464-465.

Radenski, A. Module Embedding. Software - Concepts and Tools, Vol. 19, Issue 3, 1998, Springer, 122-129.

Radenski, A. Object-Oriented Programming and Parallelism. Information Sciences, Vol. 93, Issue 1-2, 1998, North Holland, 1-7.

Radenski, A. Parallel Object-Oriented Programming with Multiple Inheritance: Language Design Issues. Proceedings of the IEEE International Conference on Architectures and Algorithms for Parallel Processing, Brisbane, Australia, April 19-21, 1995, IEEE Computer Society, pp. 53-60.

Radenski, A. Introducing Objects and Parallelism to an Imperative Programming Language. Information Sciences, Vol. 87, Issues 1-3, 1994, North Holland, 107-122.

Radenski, A. Is Oberon as Simple as Possible? A Smaller Language Based on the Concept of Module Type. In J. Gutknech (Ed.), Programming Languages and System Architectures, Springer, 1994, 298-312.

Radensky, A. Can Ada Be Used As a Primary Language? Major Problems and Their Solution by Means of Subsets. Proceeding of the ACM Technical Symposium on Computer Science Education, ACM SIGCSE Bulletin, Vol. 22, No 1, 1990, ACM Press, 201-205.

Drashansky T., A. Radensky. Parallelism in Backus-like FP-systems: An Approach Based on the FP2 Language. In P. Jorrand, V. Sgurev (Eds), Artificial Intelligence IV: Methodology, Systems, Applications, Elsevier Science, 1990, 199-208.

Radensky, A., M. Dzambazova. Schemes for Recursion Elimination in Backus' FP-systems. Annuaire de l'Universite' de Sofia, Faculté de Mathématiques et Informatique, Vol. 83, 1989, Sofia University Press, 39-49.

Drashansky, T., A. Radensky. Pure Functional Programming and Distributed Data Processing in Local Networks (in Bulgarian). Proceedings of the Eighteenth Spring Conference of the Bulgarian Mathematical Union, Albena, Bulgaria, April 6-9, 1989, Bulgarian Academy of Sciences Press, 296-300.

Radensky, A. Development of the FP-Style of Programming: The FP* Language, Its Implementation and Application (in Russian). Programmirovanie, No. 6, 1988, Academy of Sciences of the USSR, 46-58.

Radensky, A. Functional programming in the Style of Logic Programming. Comptes Rendus de l'Academie Bulgare des Sciences, Vol. 37, No. 6, 1984, Bulgarian Academy of Sciences Press, 741-744.

Radensky, A., Z. Trifonova. A Language for pure Functional Programming - Description and Implementation. Proceedings of the Twelfth Spring Conference of the Bulgarian Mathematical Union, Sunny Beach, Bulgaria, April 6-9, 1983, Bulgarian Academy of Sciences Press, 227-234.

Radensky, A. Transformations in Context-Free Languages. Comptes Rendus de l'Academie Bulgare des Sciences, Vol. 36, No. 2, 1983, Bulgarian Academy of Sciences Press, 185-187.

Radensky, A., M. Nisheva. An Experimental Interactive Transformational Programming System (in Russian). Software Systems - Mathematical Foundations and Practical Experience, Siberian Brunch of the Academy of Sciences of the USSR, 1982, 88-95.

Journal Articles and Refereed Papers in Edited Volumes / Proceedings (continued)

Radensky, A. Evaluation of Functional Programs by Means of Transformations (in Bulgarian). Proceedings of the Tenth Spring Conference of the Bulgarian Mathematical Union, Sunny Beach, Bulgaria, April 6-9, 1981, Bulgarian Academy of Sciences Press, 279-284.

Radensky, A. Two-Dimensional Expressions in Algol-Like Algorithmic Languages (in Russian). Comptes Rendus de l'Academie Bulgare des Sciences, Vol. 33, No. 9, 1980, Bulgarian Academy of Sciences Press, 1455-1458.

Radensky, A. A Functional Approach to Data Manipulation Languages in Data Management Systems (in Bulgarian). Proceedings of the Ninth Spring Conference of the Bulgarian Mathematical Union, Sunny Beach, Bulgaria, April 3-6, 1980, Bulgarian Academy of Sciences Press, 162-168.

Barnev P., V. Zanev, A. Radensky. Data Bases, Systems for Information Servicing of Collectivities (in Bulgarian). Proceedings of the Eighth Spring Conference of the Bulgarian Mathematical Union, Sunny Beach, Bulgaria, April 3-6, 1979, Bulgarian Academy of Sciences Press, 101-115.

Radensky, A. An Efficient Associative Sort Algorithm (in Bulgarian). Proceedings of the Seventh Spring Conference of the Bulgarian Mathematical Union, Sunny Beach, Bulgaria, April 5-8, 1978, Bulgarian Academy of Sciences Press, 460-468.

Barnev, P., Radensky, A. Structure of the Information Base and Operations on the Entities in a System for Information Servicing of Collectivities, Serdica, Bulgaricae Mathematicae Publicationes, Vol. 4, No, 2-3, 1978, Bulgarian Academy of Sciences Press,180-183.

Radensky, A. Number of All Subgraphs Isomorphic to a Given Graph (in Russian). Proceedings of the Fourth Spring Conference of the Bulgarian Mathematical Union, Pernik, Bulgaria, April, 1975, Bulgarian Academy of Sciences Press, 297-302.

Radensky, A. An Algorithm for Finding All Isomorphisms of Two Graphs (in Russian). Serdica, Bulgaricae Mathematicae Publicationes, Vol. 1, No. 2, 1975, Bulgarian Academy of Sciences Press, 167-177.

Radensky, A. Algorithms for Searching and Tabulation of Successive Incoming Information (in Russian). Proceedings of the Mathematical Institute, Vol. 15, 1975, Bulgarian Academy of Sciences Press, 173-181.

Radensky, A. A Computer Algorithm for Processing Data from Seaside Radars (in Bulgarian). Proceedings of the Bulgarian Military Academy G. S. Rakovsky, Sofia, 1974, No 2, 58-65.

Radensky, A. Existence of a Fixed Point for Every Isotonic Mapping of a Complete Pseudo Trellis into Itself. (in Russian). Annuaire de l'Universite' de Sofia, Faculté de Mathématiques et Informatique, Vol. 68, Sofia University Press, 1973, 263-265.

Radensky, A. An Infinite Expansion in Iterative Combinatory Spaces and in Functional Programming Systems. Comptes Rendus de l'Academie Bulgare des Sciences, Vol. 35, No. 5, 1982, Bulgarian Academy of Sciences Press, 569-571.

Radensky, A. On some Dependencies between Functional Forms in Functional Programming Systems. Serdica, Bulgaricae Mathematicae Publicationes, Vol. 7, No. 4, 1981, Bulgarian Academy of Sciences Press, 301-305.

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Technical Reports, Invited Papers, and Abstracts in Proceedings

Radenski, A. Digital CS1 Study Pack Based on Moodle and Python. Proceedings of the 13th Annual Conference on Innovation and Technology in Computer Science Education, ITiCSE 08, Universidad Politécnica de Madrid, Spain, June 30-July 2, 2008, ACM Press, p. 325.

Radenski, A. Can Introductory Computer Science Be Relieved Form the Complexity of Commercial Languages? A "Python First, Java Second" Approach to CS1/CS2 (invited paper). Proceedings of the Thirtieth International Conference on Information and Communication technologies and Programming, ICT&P'05, June 23-25, 2005, Sofia, Bulgaria, Association for the Development of the Information Society, 54-57.

Radenski, A. Classroom Teaching vs. Online Teaching. Communication of the ACM Press, Vol. 45, No 3, 2002, ACM Press, 12-13.

Radenski, A. Implementation of Parallel Paradigms as Extensible Modules. Proceedings of the Joint Conference of Information Sciences, JCIS'1998, Research Triangle Park, North Carolina, October 24-28, vol. III, Duke University Press, 87-92.

Radenski, A. Extensible Packages as Typeless Objects. Proceedings of the Joint Conference of Information Sciences, JCIS'1997, Research Triangle Park, North Carolina, March 1-5, 1997, Duke University Press, 277-280.

Radenski, A. Parallel Evolutionary Optimization in Network Environment (invited paper). Proceedings of the 25th Jubilee Research Conference of Shoumen University, Shoumen, Bulgaria, October 30 - November 1, 1996, Shoumen University Press, 46-54.

Radenski, A. Distributed Evolutionary Optimization Using PVM and Object-Oriented Techniques. Parallel Optimization Colloquium, Versailles, France, March 1996, University of Versailles Press, 227-321.

Radenski, A. A Parallel Object-Oriented Evolutionary Program Based on Extensive Hill-Climbing and Limited Crossover (invited paper). Joint Conference on Information Sciences, JCIS'1995, Wrightsville Beach, North Carolina, September 1995, Duke University Press, 320-323.

Radenski, A. Module Types, Module Variables, and Their Use as Universal Encapsulation Mechanism. ACM SIGPLAN Notices, Vol. 29, No 1, 1994, ACM Press, 3-8.

Radenski, A. Type Extensions, and Their Support for Object-Oriented Programming with Multiple Inheritance. Proceedings of the 32 Annual ACM Southeast Conference, Tuscaloosa, Alabama, March 17-18, 1994, ACM Press, 241-246.

Radenski, A. Introducing Objects and Concurrency to an Imperative Programming Language: A Minimal Approach. Proceedings of the Joint Conference on Information Sciences, Pinehurst, North Carolina, November 1994, Duke University Press, 238-241.

Radenski, A. A Voyage to Oberon, ACM SIGCSE Bulletin, Vol. 25, No 3, 1993, ACM Press, 13-18, continued on. p.25.

Radensky, A., Stanchev S. Teaching Some Modern Functional Programming Concepts: An Approach Based on an Extended FP-like Language. ACM SIGCSE Bulletin, Vol. 23, No 4, 1991, ACM Press, 31-36.

Radensky, A. Toward Integration of Imperative and Logic Programming Paradigms: Logic Programming in Pascal. ACM SIGPLAN Notices, Vol. 25, No 2, 1990, ACM Press, 25-43.

Radensky, A., Y. Yosifov, P. Petkov. Efficient Use of the Ada Language (in Russian). Ninth International Seminar on Science in Management, Education and Research, Guletchiza, 1990, Sofia University Press.

Radensky, A., E. Zhivkova, V. Petrova, R. Lesseva, C. Zascheva. Experience with Ada as a First Programming Language. ACM SIGCSE Bulletin, Vol. 20, No 4, 1988, ACM Press, 58-61.

Technical Reports, Invited Papers, and Abstracts in Proceedings (continued)

Radensky, A. Lazy Evaluation and Nondeterminism make Backus' FP-systems More Practical, ACM SIGPLAN Notices, Vol. 22, N 4, 1987, ACM Press, 33-40.

Radensky, A., M. Todorova. An Approach to Programming by Means of Equations: Transformation Programs and an Interpreter for Such Programs. Proceedings of the International KNVVT Conference on Automation of Information Processing on Personal Computers, Budapest, Hungary, May 5-9, 1986, Vol. II, Hungarian Academy of Sciences Press,167-182.

Radensky, A., M. Todorova and Z. Trifonova. Experimental Functional Programming Systems (in Russian). Proceedings of the Third International Seminar on Problems of Computer Science and its Application in Management, Education and Research, Sofia University, Laboratory for Informatics with Computing Center, Sofia, Bulgaria, June 8-14, 1986, Sofia University Press, 241-249.

Radensky, A. Functional Programming, Logic Programming, and Their Integration (invited paper, in Bulgarian). Proceedings of the National School on Programming, Primorsko, Bulgaria, June 1-10, 1984, Bulgarian Academy of Sciences Press, 37-57.

Radensky, A. Representation of Functions in FP-Systems in the Form of Infinite Conditions. International Congress of Mathematicians, Warsaw, Poland, 1982, Section 14: Computer and Information Sciences, Short Communications, Vol. XIII, p. 50.

Radensky, A. Functional Programming (invited paper, in Bulgarian). Proceedings of the Eleventh Spring Conference of the Bulgarian Mathematical Union, Sunny Beach, Bulgaria, April 6-9, 1982, Bulgarian Academy of Sciences Press, 84-93.

Barnev, P., A. Radensky, P. Azalov, K. Markov. A Local Information Station - Version One. Tanulmanyok, Vol. 133, No. 3, 1982, Hungarian Academy of Sciences Press, 7-25.

Dumkov P, H. Hitov, A. Radensky. Data Structures and Control of Data (invited paper, in Bulgarian). Proceedings of the Fifth Spring Conference of the Bulgarian Mathematical Union, Gabrovo, Bulgaria, April 8-10, 1976, Bulgarian Mathematical Union, 37-40.

Radensky, A. Physical Data Organization, Computer Memory Architecture and Associative Search Algorithms (in Russian). Proceedings of the Conference on Programming Methodology and Program Verification, Dresden, Germany, May 10-15, 1975, Vol. 2, Technical University Dresden Press, 1-9.

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Parvanov P., P. Azalov, A. Radensky. Data Organization in a PERT System Implementation (in Bulgarian). Proceedings of the National School for Young Researches on Applications of Computers, Primorsko, Bulgaria, September 15-25, 1975, 179-184.

Parvanov P., P. Azalov, A. Radensky. An Implementation of the PERT System (in Bulgarian). Proceedings of the National Conference on Fortran, Sofia, Bulgaria, May 19-21, 1975, Bulgarian Mathematical Union, 69-72.

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Books
Radenski, A. Python First: The Joy of Success. Llumina Press, Tamarac, Florida, 2007.

Radensky, A. Introduction to Programming via Pascal and Fortran (in Bulgarian). Second edition with a Pascal Handbook by D. Dicheva and B. Sendov. Science and Art Publishing House, Sofia, 1989.

Radensky, A. Computer, Programming Language, Compiler: One Non-conventional Programming Language and Its Implementation (in Bulgarian). Science and Art Publishing House, Sofia, 1987.

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Radensky, A. Mathematics and Programming (in Bulgarian). Sofia, Peoples Education Publishing House, Sofia, 1983.

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Theses
Radensky, A. Functional Programming: FP-Systems, Lazy Evaluations, and Non-determinism (in Bulgarian). Doctor of Sciences thesis, Sofia University and Central Scientific Commission, Sofia, Bulgaria, 1988.

Radensky, A. Logical and Physical Organization of Information (in Bulgarian). Ph.D. thesis, Sofia University and Central Scientific Commission, Sofia, Bulgaria, 1976.

Radensky, A. Symbol Table Search and Update Algorithms (in Bulgarian). Undergraduate theses, Sofia University, Sofia, Bulgaria, 1972.

Recent Workshops / Tutorials
Radenski, A. Python First: A Lab-Based Digital Introduction to Computer Science (90-minutes tutorial). CCSC SW Conference, Northridge, California, USA, April 19, 2008.

Radenski, A. Python First: A Lab-Based Digital Introduction to Computer Science. 39th ACM Technical Symposium on Computer Science Education (half-day workshop), SIGCSE 08, Portland, Oregon, USA, March 15, 2008.

Radenski, A. Python First: A Lab-Based Digital Introduction to Computer Science (four day workshop). Chapman University, Orange, California, June 15-18, 2007.

Radenski, A. The Java 5 Generics: Strengths and Weaknesses (half-day workshop). International Conference on Recent Object-Oriented Trends, ROOTS'2007, April 25-27, 2007, Bergen, Norway.

Radenski, A. Python First: A Lab-Based Digital Introduction to Computer Science (four day workshop). Chapman University, Orange, California, June 19-22, 2006.

Radenski, A. Teaching Introductory Computer Science: The Python Way (three day workshop). Chapman University, Orange, California, August 10-12, 2005.