

# Short Resume

## Irena Pevac, PhD

Computer Science Department, Central Connecticut State University, USA

### POSITIONS

- CCSU, New Britain,
  - Assistant Professor 1992-1998
  - Associate Professor 1998-present
- Univ. of Belgrade,
  - Assistant Professor 1988-1991
- Univ. of Texas at Austin
  - Visiting Professor 1988 (Fall)
  - Research Fellow 1992 (Spring)
- Mathematical Institute, Academy of Science, Belgrade, Serbia
  - Research Assistant 1973-1983
  - Research Fellow 1983-1991

### EDUCATION

- BA, Math, Univ. of Belgrade, 1973.
- MS, CS, Automata and Grammars, Univ. of Belgrade, 1976.
- PhD, CS, Artificial Intelligence, Univ. of Belgrade, 1987.

### TEACHING

Workshop in CS – MS Office 2007, Introduction to Computers (non-majors) – Visual Basic, Introduction to Programming (majors) CS1 in Java, CS2, Data Structures, Topics in CS - Delphi, Database Concepts, Advanced Database Topics, Algorithms, Theory of Computation, Foundations of CS, Automated Theorem Proving, Artificial Intelligence.

### PUBLICATIONS

Over 40 publications including monograph on automated theorem proving, two books on recursion (in Pascal and in Java), and number of papers published in refereed journals and conf. proceedings. Topics range from automata theory, undecidability, artificial intelligence, databases, algorithms, to CS education.

### RECENT PUBLICATIONS

1. Pevac I. Techniques for Assessing Student Learning in an on-line Database Course. *International Conference on Teaching On-Line in Higher Education* (TOHE) November 2002, Proc. web published <http://www.ipfw.edu/as/tohe/2002>
2. Rajaravivarma. R., Pevac, I. When to Introduce Objects in Teaching Java. *Proc. of 35 IEEE SSST*. March 2003, Morgantown, Virginia, 437-440.
3. Pevac I. Performance Analysis of Recursive Graphical Curves. *Proc of International Conference on Computer Science and its Applications*, ICCSA July 2003, San Diego, CA, 46-49.
4. Pevac I. Visualizing the Time Complexity of Recursive Graphical Algorithms. *Proc of 2<sup>nd</sup> International Conference on Computer Science and its Applications*, ICCSA July 2004, San Diego, CA, 88-92.
5. Pevac I. *Recursive Examples in Java*. XanEdu-OriginalWorks, 2005.

<http://xanedu.proquest.com/originalworks/Prevac>

6. Pevac I. Analysis and Visualization of Time Complexity in Fractal Algorithms. *Computer Science and Information Systems (PART VI: Computer Science Research in Relation to Theoretical and Natural Sciences and Engineering)* (Ed. Dr Petratos and Dr Michalopoulos). Athens Institute of Research, Greece, 2005. 337-350.
7. Pevac I. Using Visualization to Teach Recursion throughout a Computer Science Curriculum. *WORLDCOMP'07 - FECS, Proc. of the 2007 Int. Conf. on Frontiers in Education: Computer Science & Computer Engineering*, Las Vegas, NV, SCREA Press, 2007. (Ed. Arabia, Clincy) 212-218.
8. Pevac I. Comparison of E-R, UML, IDEF1X, and SOM Database Modeling Paradigms. *Current Advances in Computing, Engineering and Information*. Athens Institute of Research, 2008, (Editors Petratos and Dandapani), 279-286.
9. Pevac I. An Introduction to Programming Course Made Exciting and Inviting for Non-majors. *Proc of the 2009 International Conference on Engineering and Mathematics ENMA'09* Bilbao, Spain, Purple Gate publishing, 2009, pages 197-203.
10. Pevac I. Using Performance Equivalent Graphical Examples to Visualize and Simplify Time Efficiency Analysis of Recursive Algorithms. *WORLDCOMP'09 – FECS, Proc. of the 2009 Int. Conf. on Frontiers in Education: Computer Science & Computer Engineering*, (Ed. Arabia, Clincy), Las Vegas, NV, SCREA Press, 2009, pages 254-260.

#### **BOOK REVIEWS**

- Jones W. *Java au Naturel*. Web publ. 2003. [www.cs.ccsu.edu/~jones/book.htm](http://www.cs.ccsu.edu/~jones/book.htm)
- Dean & Dean. *Introduction to Programming with Java – A Problem Solving Approach*. McGraw-Hill, 2007.

#### **CONSULTING**

- Worked for Pearson. Prepared 70 examples and their solutions for the international edition of David Schneider's book *An Introduction to Programming Using Visual Basic 2008*. Summer 2008.

#### **HONORS AND MEMBERSHIPS**

- Biography included in the Dictionary of International Biography and in the Who is Who among Women.
- Honorary member of Upsilon Pi Epsilon , 1992.
- Excellence in Teaching Honor Roll, CCSU, 1998.
- Nominated for the Top 100 International Educators by the International Biographical Center in 2004, 2005, and 2006.
- Member of the ACM, IEEE and Computer Society.