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A. Educational Background

- Polytechnic Institute of Bucharest, Romania, EU, Computer Science and Engineering, B.S., 1983
- University of Craiova, Romania, EU, Computer Science and Engineering, Ph.D., 1998

B. Appointments

- Faculty Coordinator, Computer Science and Software Engineering Department, Auburn University 1996 - Present.
- Director, Laboratory for Education and Assistive Technology, Auburn University 2008-Present
- Assistant Professor, Faculty of Automation and Computers, Polytechnic Institute of Bucharest, Romania, 1989 - 1991.
- System engineer, Institute for Automation, Bucharest, Romania, 1985 - 1991.
- System engineer, Computing Center, TIA Bucharest, Romania, 1982 - 1985.

C. Products (for a complete listing, please see <http://www.eng.auburn.edu/~daniela/>)

(Related to the proposed project)

1. Cree, K., **Marghitu, D.**, "Introducing Middle School Students to basic Computer Programming skills using MIT App Inventor", The Fourth International Conference on Building and Exploring Web Based Environments, Lisbon, Portugal, June 26-30, 2016
2. **Marghitu, D.**, Gray, J, Wyss, M., et-al.: "Robotics as an Entree to K12 Computer Science for Under-Represented Students", *American Society for Engineering Education, Southeastern Section (ASEE-SE) Annual Conference*, Tuscaloosa, AL, March 13-15, 2016
3. **Marghitu, D.**, Hur, J., Rawajfih, Y., Hall, J., "Promoting Computer Science among Girls: An Auburn University Pilot Program", *AACE SITE Conference*, pp 8, March 17-21, Jacksonville, FL, 2014.
4. Touretzky, **D.**, **Marghitu, D.**, Ludi, S., Bernstein, D., "Accelerating K-12 Computational Thinking Using Scaffolding, Staging, and Abstraction", *ACM SIGCSE Conference*, March 6-9, Denver, Colorado, 2013.
5. Ward, B., **Marghitu, D.**, Bell, T., Lambert, L., "Teaching Computer Science in Scratch and Alice", *The ACM Journal of Computing Science in Colleges*, Volume 26, Issue 2, pp 8, 2010.

Other Significant Products

1. **Marghitu, D.**, Coy , S., "Position Paper: Robotics Rule-Based Formalism to Specify Behaviors in a Visual Programming Environment", *IEEE Workshop: Blocks and Beyond: Lessons and Directions for First Programming Environments*, Atlanta, USA, October 22-23, 2015
2. **Marghitu, D.**, Ben Brahim, T., Weaver, J., Rawajfih, Y., "Auburn University Robo Camp K12 Inclusive Outreach Program: A three-step model of Effective Introducing Middle School Students to Computer Programming and Robotics", *AACE SITE Conference*, pp 8, March 25-29, New Orleans, LA, 2013.
3. **Marghitu, D.**, "Exploring Microsoft SharePoint for Office 2013", Pearson Prentice Hall Publishing Co., pp 450, July 2014
4. **Marghitu, D.**, Ben Brahim, T., Weaver, J., "Auburn University K12 Inclusive STEM Outreach Programs", *SDPS Transdisciplinary Conference On Integrated Systems, Design, & Process Science*, pp 8, Dallas, Texas, June 6-12, 2010
5. **Marghitu, D.**, Fuller, M., Ben Brahim, T., "Auburn University Robotics and Computer Literacy K12 Engineering Camps: A Success Story", *ASEE-SE Conference*, pp 8, April 5-7, Atlanta, Georgia, 2009

D. Synergistic Activities

Teaching, Mentoring and Outreach

- Member: *NSF Committee on Equal Opportunities in Science and Engineering (CEOSE)* (2015-2018)
- PI: Computer Science for all Romanians (CS4ALL-Ro); Computer Science for all Bulldogs (CS4ALL-B), Microsoft Fuse Research and AccessComputing Alliance funded project; Computer Science for All Girls (CS4ALL - G), Microsoft Research and NCWIT Academic Alliance funded project; Auburn University *Computer Science for All (CS4ALL)* <http://cs4all.eng.auburn.edu/>, (2012 - Present)
- Auburn University Institutional Partner: *AccessComputing Alliance* (2010 – Present), *AccessCS10K Alliance & AccessEngineering Alliance* (2014-Present)
- CO-PI, *Alabama Alliance for Students with Disabilities-STEM* (2009 - Present), *South East Alliance for Persons with Disabilities in STEM* (2016-Present)
- Founder Director: *Auburn University Educational and Assistive Technologies Lab* (2007 - Present), *Samuel Ginn College of Engineering K12 Inclusive Outreach Program* (2007 - Present)

Professional Organizations

- International Association for Computing Machinery (ACM)
- The Society For Design and Process Science (SDPS)
- The National Academy of Inventors
- EDUCAUSE
- National Center for Women & Information Technology (NCWIT) Academic Alliance

Conference/Workshop Organizing Committees

- *The Tenth International Conference on Software Engineering Advances* (2014-present)
- *Universal Design in Academia Capacity Building Institute at Auburn University*, AccessComputing Alliance 2012
- *The Grace Hopper Celebration of Women in Computing* Anita Borg Institute for Women and Technology and the Association for Computing Machinery (2011 - 2012)
- *Disability Research Workshop* Alabama Alliance for Students with Disabilities in STEM (2010)
- *The World Conference On Integrated Design & Process* Society For Design and Process Science Annual International Conference(2009 - Present)

Conference/Workshop Program Committee

- *The International Conference on Building and Exploring Web Based Environments* (2015 – Present)
- *The International Conference on Universal Accessibility in the Internet of Things and Smart Environments* (2016 - Present)

Journal Editing/Proceedings Editing/Reviewing

- Author: *Exploring Series*, Pearson Education Publishing Company (2005 - Present)
- Technical Reviewer: Pearson Education Publishing Company, McGraw & Hill Education Publishing Company, Cengage Learning Education Publishing Company (1996 - Present).
- Review Board Member : *Journal of SMET Education and Research* (2005-Present)

E. Collaborators & Other Affiliations

Key Collaborators: Overtoun Jenda, Caroline Dunn, Royrick Cook, Stacey Nickson, Melody Russell, (Auburn University); Others: Sheryl Burgstahler, Richard Ladner (University of Washington); Jeff Gray(UA) ; Murat Tanik, Michael Wyss (UAB), Tim Bell (University of Canterbury); Paul Curzon (Queen Mary, University of London), Ayanna Howard (Georgia Tech), John Cole(Dexter Industries Inc.), Samantha, Lewis (Pearson Education Company); Stephen Coy, Lindsey Craft (Microsoft);

Thesis Advisor: USA: Dr. Murat Tanik (University of Alabama at Birmingham), Romania: Dr. Nicolae Spranceana (Polytechnic University, Bucharest)