



Anca-Juliana Stoica

Recent Conferences/Workshops, Research and Teaching

Anca-Juliana Stoica served/serves on technical program committee and/or reviewer and workshop contributor of international conferences and workshops:

- **System Engineering Cost Estimation Curriculum Development Workshop Debrief.** In *26th International Forum on Systems/Software Cost Modeling*, USC-CSSE, LA, 2011.
- **IADIS MCISS Informatics 2011**, Rome, Italy, 20-28 July, 2011.
- **IADIS MCISS Informatics 2012**, Lisbon, Portugal, 17-19 July, 2012.
- **TPMC 2013**, *International Conference Theory and Practice in Modern Computing 2013*, Prague, Czech Republic, 22-24 July, 2013.
- **TPMC 2014**, *International Conference Theory and Practice in Modern Computing 2014*, Lisbon, Portugal, 15-17 July, 2014.
- **TPMC 2015**, *International Conference Theory and Practice in Modern Computing 2015*, Las Palmas de Gran Canaria, 22-24 July, 2015.
- **ICCGI 2014**, *The Ninth International Multi-Conference on Computing in the Global Information Technology*, June 22-26, 2014, Seville, Spain.
- **ICCGI 2015**, *10th Computing in the Global IT Conference*, Oct. 11-16, 2015, St. Julians, Malta.
- **IEEE EDUCON 2012**, *Collaborative Learning & New Pedagogic Approaches in Engineering Education*, 17-20 April, 2012 Marrakesh, Morocco.
- **IEEE EDUCON 2013**, *The Global Engineering Education Conference - IEEE EDUCON*, March 13-15, 2013, Berlin, Germany.
- **IEEE EDUCON 2014**, *The 5th IEEE Global Engineering Education Conference*, 3-5 April, 2014, Istanbul, Turkey.

- **IEEE EDUCON 2015**, *The 6th IEEE Global Engineering Education Conference, 18-20 March 2015, Tallin, Estonia.*
- **Future Computing 2014**, *The 6th International Conference on Future Computational Technologies and Applications, May 25-29 2014, Venice, Italy.*
- **Future Computing 2015**, *The 7th International Conference on Future Computational Technologies and Applications, March 22-27 2015, Nice, France.*
- **Future Computing 2016**, *The 8th International Conference on Future Computational Technologies and Applications, March 20-24 2016, Rome, Italy.*
- **TOSE 2016**, *IEEE/ACM 5th International Workshop on Theory-Oriented Software Engineering, May 15, 2016 Austin, USA.*
- **ICSOF 2017**, *The 12th International Conference on Software Technologies, July 24-26 2017, Madrid, Spain.*
- **Future Computing 2019**, *The 11th International Conference on Future Computational Technologies and Applications, May 5-9 2019, Venice, Italy.*

She has chaired sessions at the Global Engineering Education Conference - IEEE EDUCON 2013 Berlin, Germany.

Her work focus is software and system engineering in their context - theory, applications, and education.

During fall 2012 and 2013 Anca was invited to present guest lectures in graduate classes at the University of Florida, Electrical and Computer Engineering Department, Gainesville, USA.

During spring 2016 she presented an invited talk at the TOSE 2016 Workshop affiliated with the 2016 International Conference on Software Engineering (ICSE 2016).

Anca supervised 2013-2015 master theses at Uppsala University and exchange students from Tongji University, Shanghai, China.

During academic year 2018-2019 she supervises master theses in Computer Science at the IT Department, Uppsala University.

She held a new graduate class – Software Engineering II - Value-Based Software Engineering during spring 2015.

Anca completed the “Supervising PhD Students” course during the academic year 2017-2018.

In 2018 she was appointed docent in Electrical Engineering with the specialization in Automatic Control.

Recent Publications

Subject categories: 102 Computer and Information Science; 10205 Software Engineering; Software and System Engineering Education

Journal Papers

- **System Components of a General Theory of Software Engineering**, Anca-Juliana Stoica, Kristiaan Pelckmans, William Rowe. In Elsevier Science, Science of Computer Programming, Special Issue on *General Theories of Software Engineering*, ISSN 0167-6423, Vol. 101, pp 42-65, 2015.
- **Quantitative Framework for Managing Software Life-Cycle**. Anca-Juliana Stoica, Prabhu Babu, and Peter Stoica. In *The Open Software Engineering Journal*, Bentham Science Publishers Ltd, volume 5, number 1, pp 1-18, 2011.
- **Integrative Educational Approach Oriented Towards Software and Systems Development**. Anca-Juliana Stoica, Shareeful Islam. In *International Journal of Engineering Pedagogy (iJEP)*, Volume 3, Issue 1, pp 36-43, 2013.

Book Chapter

- **Software Risk Management Modeling Using Goal-Driven Approach from Early Requirements Engineering**. Shareeful Islam, Anca-Juliana Stoica. In: *Risk Assessment and Management*, Academy Publish, 2012.

Conference papers

- **Agile Software Development and ISO/IEC Software Quality Standards: Measuring Economic Benefits and Calculating Quantitative Yields**. Anca-Juliana Stoica, Margus Nael. In *Proc. 25th International Forum on Systems/Software Cost Modeling*, USC-CSSE, L.A., Nov. 2010.
- **Demonstrating Early Value in Software System Projects Using Software and System Models**. Anca-Juliana Stoica. In *Proc. 26th International Forum on Systems/Software Cost Modeling*, USC-CSSE, L.A., Nov. 2011.
- **Concurrent View Modeling for Software Risk Management at Early Development Stage**. Anca-Juliana Stoica, Shareeful Islam. In: *Proc. International Conference on Theory and Practice in Modern Computing*, Lisbon, Portugal, July 17-23, 2012.

- **Educational Methods for Software and Systems Development.** Anca-Juliana Stoica, Shareeful Islam. In: *Proc. 15th International Conference on Interactive Computer Aided Learning*, Villach, Austria, September 26-28, 2012.
- **Teaching Information and Software Security Courses in Regular and Distance Learning Programs.** Anca-Juliana Stoica, Shareeful Islam. In *Proc. IEEE EDUCON Engineering Education Conference*, Berlin, Germany, March 13-17, 2013.

Invited Workshop Contributor

- ***Dynamic Integration of System Components of a GTSE in Practice*** A.J. Stoica, K. Pelckmans. Invited Talk, TOSE 2016: *The 5th International Workshop on Theory-Oriented Software Engineering*. In conjunction with *The 38th International Conference on Software Engineering (ICSE 2016)*, Austin, Texas, USA.
- **System Engineering Cost Estimation Curriculum Development Workshop Debrief.** In *26th International Forum on Systems/Software Cost Modeling*, USC-CSSE, Los Angeles, USA, 2011.

Invited Docent Lecture

- **System Components of a General Theory of Software Engineering and Applications.** Anca-Juliana Stoica, Department of Information Technology, Uppsala University, Oct 2018.