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About me

Dr. Anca-Juliana Stoica is docent at the Department of Information Technology, Uppsala University, Sweden. Her research and teaching work deals with theoretical and practical aspects of software and system engineering methods, processes, and models. Anca supervises graduate student thesis works and has contacts with international master programmes. She serves as PC member, session chair, and contributor in a number of international conferences and workshops and holds advanced level courses. Anca was appointed associate professor in computer and system sciences (DSV) at the Royal Institute of Technology (KTH) /Stockholm University (SU). At KTH she also worked at the Applied IT Department as Senior Lecturer in software and system engineering. In her work she established connections between theoretical approaches and practically relevant problems. At KTH/SU she developed graduate courses in: IT project management, methods, and tools; software engineering and security architecture; value-based software and system engineering. Anca was academic supervisor of degree projects at KTH IT program, and KTH/SU international master programs in: engineering and management of information systems; information and communication systems security. Her research interests include value-based software and system engineering; frameworks for reasoning and decision-making; managing software life cycle; systems of integrated models for software and system development. Prior to joining KTH Anca was a senior lecturer and researcher at the Uppsala University. Her research areas were: system analysis (simulation, optimization, mathematical programming), applied decision theory and methods, and software engineering. She taught fundamental courses in computer science such as: compiler theory, theory of computer systems, operating systems and system programming, fundamentals of database systems, software engineering, and analytical methods in software engineering economics. She received her PhD degree in computer and system sciences from the University Politehnica of Bucharest as well as her MSc degrees in computer science and engineering, and industrial management and cybernetics. She worked as a scientific researcher at the Research Institute for Computer Technique in Bucharest and associate professor at the University Politehnica of Bucharest. She authored and co-authored lecture notes and academic course materials (undergraduate and graduate courses), journal and conference papers, technical reports and communications, as well as conducted research and development projects with companies and organizations. Some examples are: joint project Royal Institute of Technology (KTH)/Ericsson Research on a secure and reliable communication system for large scale public events, and joint project Uppsala University (UU)/Swedish Waste Management Council (AFR) on educational development in system analysis. Anca was visiting faculty at Stanford University, USA, Department of Computer Science, where she was involved in research and teaching a graduate course in software engineering: processes and tools for large-scale software development. She gave invited tutorials and seminars at the University of Florida (USA), KTH/SU (Sweden), Linköping University (Sweden), Stanford University (USA), and Oslo University/SINTEF (Norway). Anca was elected senior member IEEE in recognition of her professional status.