

Ana Sokolova, Curriculum Vitae

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Education / Qualification

2016

Habilitation, Computer Science, University of Salzburg, Austria. Thesis title: Arrows, Dice, Memories, Clocks, Races. Colloquium date November 21, 2016. Talk title: Concurrent Data Structures: Semantics and Relaxations.

2001 - 2005

Dr. (PhD), Computer Science, TU Eindhoven, The Netherlands. Defense date November 3, 2005. Thesis title: Coalgebraic Analysis of Probabilistic Systems. Promotor Prof. dr. Jos Baeten. Supervisor dr. Erik de Vink.

1995 - 1999

M.Sc., Computer Science, post-graduate studies, Faculty of Natural Sciences and Mathematics, "St. Cyril and Methodius" University, Skopje, Macedonia. Master thesis title: Word Problems. Supervisor Prof. Dr. Smile Markovski.

1989 - 1994

Engineer of Informatics (B.Sc.), Computer Science, under-graduate studies, Faculty of Natural Sciences and Mathematics, "St. Cyril and Methodius" University, Skopje, Macedonia. Diploma thesis title: Resolution in Propositional and Predicate Calculus. Supervisor Prof. Dr. Biljana Janeva.

Affiliations and Positions

Department of Computer Sciences, University of Salzburg, AT

- 2017 January - now, Associate Professor
- 2013 March - 2017 January, Assistant Professor tenure track
- 2009 March - 2013 March, Elise-Richter Fellow, Postdoc and Project Leader
- 2007 March - 2009 March, Postdoc with Prof. Dr. Christoph Kirsch, Computational Systems Group

Department of Computer Science, Radboud University Nijmegen, NL

- 2005 October - 2007 March, Postdoc with Prof. dr. Bart Jacobs, Security of Systems Group

Department of Mathematics and Computer Science, TU Eindhoven, NL

- 2001 - 2005, PhD student, Formal Methods Group

Institute of Informatics, Faculty of Natural Sciences and Mathematics, "St. Cyril and Methodius" University, Skopje, MK

- 1995 -2001, Teaching and research assistant

Research interests

Algebra and Coalgebra, Semantics, Foundations of Computer Science, Verification, Formal Methods, Probabilistic Systems, Concurrency (theory and practice), Real-Time / Embedded Systems, Memory Management, Theoretical Security, Theoretical Computer Science in general.

Supervised Students

- PhD student: Sebastian Arming (since October 2015)
- Co-supervised PhD students: Silviu Craciunas (def. 14.10.10), Hannes Payer (def. 28.9.12), Andreas Haas (def. 23.11.15), Michael Lippautz (def. 15.12.15), Alireza Abyaneh, Daniel Kocher (def. 28.5.21), Michael Starzinger
- Bachelor students: Sarah Sallinger, Cornelia Mayer, Michael Noppinger, Barbara Mayer, Sophie Reischl, Alexander Loitzl

Defense, Evaluation, and Habilitation Committees

PhD committee for Thomas Pani, TU Wien, Vienna, Online, 2021

PhD committee for Alexandre Goy, Université de Paris, Paris, Online, 2021

PhD committee for Florence Clerc, McGill University, Toronto, Online, 2021

PhD committee for Artem Khyzha, IMDEA, Madrid, 2018

PhD committee for German Delbianco, IMDEA, Madrid, 2017

Proficiency Evaluation Committee for Thomas Pani, TU Vienna, 2017

Habilitation committee for Dominik Engel, University of Salzburg, 2018; Andreas Naderlinger, University of Salzburg 2020; Sebastian Forster, University of Salzburg.

Community

Special-interest groups

Member of IFIP WG 1.8 on Concurrency Theory; Secretary since 2021.

Member of IFIP WG 1.3 on Foundations of System Specification.

Journal editing

Editor of the special issues of Science of Computer Programming on selected papers from ICE'12 and ICE'13, special issue of JLAMP on selected papers from ICE'14; the special issue of LMCS on selected papers from CONCUR'16; the special issue of JLAMP following OPCT17 on Open Problems in Concurrency Theory, the special issue of JLC from PSC'14, the special issue of JLC on selected papers from CMCS'18, the special issue of LMCS on selected papers from CALCO'19, the special issue of LMCS on selected papers from FORTE'20, the special issue of STTT on selected papers from SPIN'21.

Editor of JLAMP.

Conference program committee (co-)chair

MFPS 2021 PC chair

SPIN 2021 PC co-chair

FORTE 2020 (IFIP WG6.1 International Conference on Formal Techniques for Distributed Objects, Components, and Systems)

WiL 2021 Workshop @ LICS, WiL 2020 Workshop @ FSCD-IJCAR

CALCO 2019 (Conference on Algebra and Coalgebra in Computer Science)

PSC 2014 (Proof, Structure, and Computation – CSL / LICS Workshop within Vienna Summer of Logic)

ICE 2014 (Interaction and Concurrency Experience), ICE 2013, ICE 2012

Conference program committee member

CSL'23, ESOP'23, CAV'22, CONCUR'22, CSL'22, FORMATS'22, FORTE'22, FoSSaCS'22, MFCS'22, MPC'22, TbiLLC'22, WIL'22, FACS'21, MFCS'21, MFPS'21, PLS'21, POPL'21, SPIN'21, WIL'21, FASE'20, CONCUR'20, FORMATS'20, MFPS'20, CMCS'20, TTCS'20, FoSSaCS'19, FM'19, FORTE'19, FORMATS'19, LICS'18, CONCUR'18, FM'18, VMCAI'18, CMCS'18, RTEST'18, QAPL'18, CAV'17, FMCAD'17, CALCO'17, FORMATS'17, FORTE'17, MFPS'17, ICE'17, ICTY'17, QAPL'17, CONCUR'16, ICE'16, CONCUR'15, CALCO'15, ICE'15, FORTE'14, FORMATS'14, CMCS'14, MFPS XXIX (2013), ICTY'13, CMCS'12, ICTY'12, CORCS'12, ICE'11, CORCS'11, ICE'10, ICE'09, CORCS'09, DATICS'09, DTVCS'09, CORCS'08, DATICS'08, and DTVCS'08.

Member of the Expert Committee of the EAPLS PhD Award 2018, 2019, 2020, 2021. External review committee member for ISMM'18 and CAV'16.

Journal reviewing

Distributed Computing, Information and Computation, Theoretical Computer Science, Logical Methods in Computer Science, Mathematical Structures in Computer Science, IEEE Trans, ACM ToCL, AVOCS, Journal of Pure and Applied Algebra, JLAMP, STTT, Fundamenta Informaticae, Handbook of Model Checking.

(External) conference reviewer

SPAA'19, ICALP'19, CONCUR'19, ICTAC'19, SYNASC'19, LICS'18, FOS-SACS'18, DISC'18, FM'18, VMCAI'18, CMCS'18, RTEST'18, CAV'17, FM-CAD'17, CALCO'17, FORMATS'17, FORTE'17, MFPS'17, ICE'17, ICTI'17, QAPL'17, CONCUR'17, ICALP'17, LICS'17, FoSSaCS'16, CAV'16, LICS'16, SEFM'16, CONCUR'16, ICE'16, CONCUR'15, CALCO'15, FoSSaCS'15, ICE'15, CMCS'14, ICALP'14, POPL'14, FOSSACS'13, ICTI'13, MFPS XXIX (2013), ACCAT'12, CONCUR'12, CORCS'12, CMCS'12, ICTI'12, MPC'12, The Alan Turing Centenary Conference Manchester UK 2012, CALCO'11, CONCUR'11, CORCS'11, ICALP'11, ICE'11, TbiLLC'11, CONCUR'10, DATICS-NASEA'10, EUC'10, EUROSYS'10, FOSSACS'10, HSCC'10, ICALP'10, ICE'10, CALCO'09, CONCUR'09, CORCS'09, DATE'09, EMSOFT'09, ICALP'09, ICE'09, RTSS'09, AMAST'08, CORCS'08, DATE'08, DATICS'08, EMSOFT'08, FSTTCS'08, LCTES'08, SAC-SVT'08, TGC'08, MFCS'07, CALCO'07, COORDINATION'07, TACAS'07, EXPRESS'06, ICTAC'06, CONCUR'05, CALCO'05, QEST'05, GI-Dagstuhl VOSS'04, CONCUR'03, FORMATS'03, ICALP'03, CONCUR'02.

Proposal reviewing

ANR (French National Research Agency), Czech Science Foundation, DFG (German Research Foundation), Estonian Research Council.

Organizing committees

Local Organizer of CALCO and MFPS 2021, Hybrid: Salzburg Online, 2021.

Publicity (co)chair for QONFEST 2020.

Workshop (co)chair for CPS Week 2016.

(Co-)Organizer of HVW'18 (Workshop in Memory of Helmut Veith).

(Co-)Organizer of OPCT17, IFIP WG 1.8 Meeting, June 26 - June 29, 2017, IST Austria.

(Co-)Organizer of AVM 2015 (Alpine Verification Meeting) May 4 - May 6, Attersee, Austria.

Organizer of the joint RiSE/PUMA workshop meeting 2014, Mondsee, September 29-October 3, 2014, Mondsee, Austria.

Helped in the local organization of EuroSys 2011, Salzburg, Austria and ESWEEK 2007, Salzburg, Austria.

Co-organizer of Coalgebra Day 2006, Radboud University Nijmegen.

Memberships

- Member of SIGLOG, ACM.
- Member of EATCS (European Association for Theoretical Computer Science).
- Member of NVTI (Dutch Association for Theoretical Computer Science).
- Member of the Macedonian Association of Mathematicians and Computer Scientists. Member of the committee for problem preparation for state contests in Informatics; deputy leader of the team of Macedonia at the BOI'97 in Greece; leader of the student team at ACM East-European Contest 1998 in Bucharest, Romania; member of the committee for problem preparation for the BOI 2000, held in Macedonia.

Administrative Functions

- Head of Department, Department of Computer Sciences, University of Salzburg (November 1, 2019 - December 31, 2021).
- Deputy Head of Department, Department of Computer Sciences, University of Salzburg (October 1, 2017 - October 31, 2019).
- Deputy member of the FWF Kuratorium (from September 2020)
- Member of the curriculum committee, Department of Computer Sciences, University of Salzburg.
- Member of the department counsel, Department of Computer Sciences, University of Salzburg.
- Disability & diversity contact person, Department of Computer Sciences, University of Salzburg.

Language Skills

English (fluent), German (fluent, but less fluent than English), Macedonian (mother tongue), Serbian/Croatian (fluent), Dutch (fair).

Additional Qualifications

- Leadership program, University of Salzburg
- Leadership program PostDoc Professional, University of Salzburg
- Courses (3 semesters) on Didactics in Higher Education, University of Salzburg

References

Prof. dr. Jos C.M. Baeten
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