

Planning of the Research Seminar Software Science

Week	Date	Topic	Presented by	Paper overviews
1	27 Jan	Introductory meeting		
2	3 Feb	Course planning		
3	10 Feb	Guest lecture: Supervisory control of cyber-physical systems		
4	17 Feb	Overview and Performance Evaluation of Supervisory Controller Synthesis with Eclipse ESCET v4.0	Ivo Review 1	Bart 1 Michel 1
4	17 Feb	The Ultimate Conditional Syntax	Madelief Review 1	Mikhail 1 Martijn 1
4	17 Feb	Dependency-Induced Waste in Continuous Integration: An Empirical Study of Unused Dependencies in the npm Ecosystem	Bart Review 1	Ivo 1 Madelief 1
4	17 Feb	Syntax Is All You Need: A Universal-Language Approach to Mutant Generation	Dion Review 1	Teun 1
4	17 Feb	Automating Unrealizability Logic: Hoare-Style Proof Synthesis for Infinite Sets of Programs	Arvid Review 1	Joris 1 Jens 1
5	24 Feb	Your Code Secret Belongs to Me: Neural Code Completion Tools Can Memorize Hard-Coded Credentials	Michel Review 1	Josja 1 Sophia 1
5	24 Feb	A separation logic for heap space under garbage collection	Mikhail Review 1	Max 1 + Dion 1 Tom 1
5	24 Feb	Complete First-Order Reasoning for Properties of Functional Programs	Martijn Review 1	Arthur 1 Mara 1
5	24 Feb	Fast Graph Simplification for Path-Sensitive Typestate Analysis through Tempo-Spatial Multi-Point Slicing	Joris Review 1	Arvid 1 Axel 1 + Thijs 1
6	3 Mar	No meeting (Carnaval)		

7	10 Mar	The QUIC Transport Protocol: Design and Internet-Scale Deployment	Josja Review 1	Marloes 1 Michel 2
7	10 Mar	BRF: Fuzzing the eBPF Runtime	Arthur Review 1	Mikhail 2 Martijn 2
7	10 Mar	ClarifyGPT: A Framework for Enhancing LLM-Based Code Generation via Requirements Clarification	Mara Review 1	Ivo 2 Madelief 2
7	10 Mar	Yesterday, My Program Worked. Today, It Does Not. Why?	Anna Review 1	Thijs 2 Marloes 2
7	10 Mar	Exploring and Unleashing the Power of Large Language Models in Automated Code Translation	Teun Review 1	Dion 2 Anna 1
7	10 Mar	Alive2: bounded translation validation for LLVM	Axel Review 1	Joris 2 Jens 2
(E1)	-	(break)		
(E2)	-	(break)		
(E3)	-	(break)		
1	7 Apr	Bit-Stealing Made Legal: Compilation for Custom Memory Representations of Algebraic Data Types	Tom Review 1	Josja 2 Sophia 2
1	7 Apr	Quantum software engineering and quantum software development lifecycle: a survey	Sophia Review 1	Max 2 Tom 2
1	7 Apr	The Ultimate Conditional Syntax	Max Review 1	Arthur 2 Mara 2
1	7 Apr	Dependency-Induced Waste in Continuous Integration: An Empirical Study of Unused Dependencies in the npm Ecosystem	Thijs Review 1	Teun 2
1	7 Apr	Shadows in the Interface: A Comprehensive Study on Dark Patterns	Marloes Review 1	Anna 2 Bart 2
1	7 Apr	Your Code Secret Belongs to Me: Neural Code Completion Tools Can Memorize Hard-Coded Credentials	Jens Review 1	Arvid 2 Axel 2

2	14 Apr		Ivo Review 2	Bart 3 Michel 3
2	14 Apr		Madelief Review 2	Mikhail 3 Martijn 3
2	14 Apr		Bart Review 2	Ivo 3 + Thijs 3 Madelief 3
2	14 Apr		Dion Review 2	Marloes 3 Teun 3
3	21 Apr	No meeting (Easter)		
4	-	(break)		
5	5 May	No meeting (Bevrijdingsdag)		
6	12 May		Michel Review 2	Josja 3 Sophia 3
6	12 May		Mikhail Review 2	Max 3 Tom 3
6	12 May		Martijn Review 2	Arthur 3
6	12 May		Arvid Review 2	Joris 3 Jens 3
7	19 May		Josja Review 2	Marloes 4 Michel 4
7	19 May		Arthur Review 2	Mikhail 4 Martijn 4
7	19 May		Anna Review 2	Dion 3 Thijs 4
7	19 May		Marloes Review 2	Anna 3 Bart 4

7	19 May		Joris Review 2	Arvid 3 Axel 3
8	26 May		Mara Review 2	Ivo 4 Madelief 4
8	26 May		Tom Review 2	Josja 4 Sophia 4
8	26 May		Teun Review 2	Dion 4 Anna 4
8	26 May		Axel Review 2	Joris 4 Jens 4
9	2 Jun		Sophia Review 2	Max 4 Tom 4
9	2 Jun		Max Review 2	Arthur 4 Mara 3
9	2 Jun		Jens Review 2	Arvid 4 Axel 4
9	2 Jun		Thijs Review 2	Teun 4 Mara 4

(21 students)