Schedule of Talks

Topic	Start Time	End Time	Name	Talk Title	Duration	
	05:30 PM	06:00 PM	*Welcome*		00:30:00	
	06:00 PM	07:00 PM	Dinner		01:00:00	
KeY Features	07:00 PM	07:20 PM	Martin Hentschel (substituted by Richard Bubel)	Current status of the KeY Eclipse integration	00:20:00	Monday
Discussion(s)	07:20 PM	07:50 PM	*Discussion in breakout groups:* KeY Website / PR, Hosting the KeY code repository, What is the bottleneck of KeY, Java Coverage & Case Studies		00:30:00	
	07:50 PM	08:20 PM	Presentation of results, plenum discussion		00:30:00	
	07:30 AM	09:30 AM	Breakfast		02:00:00	
Invited Talk	09:30 AM	10:30 AM	Carlo A. Furia	Class-invariant based reasoning with semantic collaboration	01:00:00	
Security	10:30 AM	11:00 AM	Simon Greiner	(Enforcing Non-Interference in component-based Systems)	00:30:00	
	11:00 AM	11:30 AM	Coffee break		00:30:00	
	11:30 AM	12:00 PM	Alexander Weigl	Efficient SAT-based Pre-image Enumeration for Quantifying Information Flow in Programs	00:30:00	
	12:00 PM	12:30 PM	Quoc Huy Do	Inferring Secrets by Guided Experiments	00:30:00	Tuesday
	12:30 PM	01:30 PM	Lunch		01:00:00	
	01:30 PM	02:00 PM	Vladimir Klebanov	(Security / Information Flow)	00:30:00	
	02:00 PM	02:30 PM	Michael Kirsten	(Voting)	00:30:00	
Beyond KeY	02:30 PM	02:45 PM	Stefan Mitsch	KeYmaera X: Tactics and Proof-By-Pointing	00:15:00	
	02:45 PM	03:00 PM	Thomas Baar	How PRINCESS teaches you to think	00:15:00	
	04:00 PM	Open End	Social Event and Barbeque			
	07:30 AM	09:00 AM	Breakfast		01:30:00	
Applicability and Usability	09:00 AM	10:00 AM	Reiner Hähnle	Can Formal Methods Improve the Efficiency of Code Reviews?	01:00:00	
	10:00 AM	10:30 AM	Sarah	TBA	00:30:00	
	10:30 AM	11:00 AM	Coffee break		00:30:00	
Case Studies	11:00 AM	11:30 AM	Jonas Schiffl	Dual-Pivot-Quicksort with KeY	00:30:00	
	11:30 AM	12:00 PM	Eduard Kamburjan	Session Types for ABS	00:30:00	
	12:00 PM	12:15 PM	Eduard Kamburjan	Modeling Railways with ABS and KeY-ABS	00:15:00	
	12:15 PM	12:30 PM	Stijn de Gouw	Experience with TimSort proofs, and KeY feature wishlist	00:15:00	
	12:30 PM	01:30 PM	Lunch		01:00:00	
	01:30 PM	02:00 PM	Mihai Herda	Case Study: Verification of a Mix-Server	00:30:00	
	02:00 PM	02:30 PM	Marko Kleine Büning	Combining Graph-Based Information-Flow Analysis with KeY for Proving Non-Interference	00:30:00	
	02:30 PM	02:45 PM	Short Break		00:15:00	Wednesday
Extensions to the KeY Logic	02:45 PM	03:15 PM	Peter H. Schmitt	A First-Order Theory of Ordinals	00:30:00	
Beyond KeY	03:15 PM	03:30 PM	Abel Garcia	KeY-aided deadlock analysis	00:15:00	
	03:30 PM	04:00 PM	Coffee break		00:30:00	
	04:00 PM	04:30 PM	Tianxiang Dr. Lu	What is TLA+?	00:30:00	
Extensions to the KeY Logic	04:30 PM	04:45 PM	Nathan Wasser	(Loop invariant Soundness with Abrupt Termination)	00:15:00	
Specification Generation	04:45 PM	05:15 PM	Nathan Wasser	(Automatic Specification Generation)	00:30:00	
	05:15 PM	05:30 PM	Short Break		00:15:00	
	05:30 PM	06:00 PM	Simon Robillard	When provers help provers: possible interactions between Key and Vampire	00:30:00	
	06:00 PM	06:15 PM	YuTing Jeff Chen	Theory-Specific Reasoning about Loops with Arrays using Vampire	00:15:00	
	06:15 PM		Dinner			
			Meeting of the KeY book editors			
	07:30 AM	10:00 AM	Breakfast		02:30:00	
			Check-out and cleaning of rooms and common areas except for the seminar room			
Relational Verification	10:00 AM	10:15 AM	Mattias Ulbrich	Relational Verification	00:15:00	Thursday
	10:15 AM	10:45 AM	Moritz Kiefer	Relational Verification with Reve	00:30:00	
	10:45 AM	11:15 AM	Stephan Gocht	Precise Semantic Slicing	00:30:00	
	11:30 AM		Cleaning of the seminar room, Good-Bye			