Saturday, October 16th Room: tba Soft Skills Graduate Seminar: Prof. Dr. Barry Floyd 9:00-10:30 Session 1: Managing Conflict - Negotiation Fundamentals Introductions – Managing Conflict Styles – Self Assessment Exercises (Conflict style, Trust) – Negotiation Fundamentals – Claiming value – Distributive Negotiations Exercise 10:30-**COFFEE BREAK** 11:00 Session 2: Creating value 11:00-Discussion of Negotiation Exercise Results – Integrative Negotiations – Developing a 12:30 Negotiations Strategy - Techniques for Creating Value - Integrative Negotiations Exercise 12:30-**LUNCH** 14:00 Session 3: Ethics 14:00-Integrative Negotiation Exercise Discussion – Self Assessment Exercises (Moral 15:30 dilemmas, Organizational Ethics) – Ethics – Ethical Maturity – Ethics exercise 15:30-**COFFEE BREAK** 16:00 Session 4: Power, Influence, and Persuasion 16:00-Discussion of Ethics Exercise – Sources of Power – Influencing Others – Framing – 17:30 Winning Hearts and Minds - Assessment Exercise (Type of power, Emotional Intelligence Rating)

Sunday,	October	17 th
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Sulla	ay, October 17		
	Room: tba	Room: tba	
9.00		Session 5: Managing Cultural Differences	
9:15 -	RERS	Managing Diversity in a Global	
9:30	Welcome	Environment – Dimensions of culture –	
9:30 -	From ZULU to RERS	Cross Culture Exercise and discussion –	
10:30	ZULU: Janodet	Self Assessment Exercise – Aligning	
	RERS: Steffen	tactics with strategy	
10:30 - 11:00	COFFEE	BREAK	
11:00 -	The prostical Cide	Session 6: Teamwork	
12:00	The practical Side	Team fundamentals – Excellent Teams – Why	
12.00	LearnLib and Challenge System:	teams fail – Positive vs. Negative Team	
	Howar, Merten	Member Roles –Creating High Performance	
10.00	Open Discussion	teams – Self Assessments (Leadership Style,	
12.00		Group analysis)	
12:30 -	LUN	NCH	
14:00			
14:00 - 15:30	Experiences and Perspectives	Session 7: Putting them all together	
15:30	The theoretical side:	(Discussion and requested topics)	
	N.N.	(Discussion and requested topics)	
	The AI perspective:		
	Moschitti		
	Abstraction and Data Handling:		
	Jonsson		
	Model Structures, eg. IO-Automata:		
	Vaandrager		
	Conformance testing:		
	N.N.		
15:30 -	COFFEE	BREAK	
16:00			
16:00 - 16:40	Experiences and Perspectives continued		
10.40	Non-Functional Aspects:		
	N.N.		
	Challenge problems and benchmarks:		
16.40	all		
16:40 - 17:30	Concrete Next Steps		
17.30	Responsibilities and Structure of the		
	RERS Position Paper		
	Challer as 2014		
	Challenge 2011:		
	Yearly challenges – the first with ISoLA in Vienna?		
18:00 -			
19:30	ISoLA Re	eception	
15.50	(at the pool site)		

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Mon	Monday, October 18 th			
	Room: tba	Room: tba	Room:tba	
8:30- 9:00	Registration			
9:00-	Opening Session of the I	SOLA Conference		
9:30	Prof. Dr. Tiziana Margaria (
	Prof. Dr. Bernhard Steffen			
	FIGI. DI. Dellinara Stellen	(Frogram Chair)		
9:30-	New challenges in the	Formal languages and	Worst Case Traversal	
10:30	development of critical	methods for designing	Time	
	embedded systems - an	and verifying complex	The PEGASE project:	
	"aeromotive"	engineering systems Opening:	precise and scalable	
	perspective Opening:		temporal analysis for	
	Visar Januzaj, Stefan Kugele, Boris Langer,	Yamine Ait Ameur, Frédéric Boniol, Dominique Mery,	aerospace communication systems with Network	
	Christian Schallhart, and	and Virginie Wiels	Calculus	
	Helmut Veith	Analyzing the Security in	Marc Boyer, Nicolas	
	Certification of	the GSM Radio Network	Navet, Xavier Olive, and	
	Embedded Software –	using Attack Jungles	Eric Thierry	
	Impact of ISO DIS 26262	Parosh Aziz Abdulla,	NC-maude: a rewriting	
	in the Automotive	Jonathan Cederberg, and	tool to play with network	
	Domain	Lisa Kaati	calculus	
	Bernhard Schätz	Formal Modeling and	Marc Boyer	
	Enforcing Applicability of	Verification of Sensor	DEBORAH: A Tool for	
	Real-time Scheduling	Network Encryption	Worst-case Analysis of	
	Theory Feasibility Tests	Protocol in the	FIFO Tandems	
	with the use of Design- Patterns	OTS/CafeOBJ Method	Luca Bisti, Luciano Lenzini,	
	Alain Plantec, Frank	lakovos Ouranos, Petros	Enzo Mingozzi, and	
	Singhoff, Pierre Dissaux,	Stefaneas, and Kazuhiro Ogata	Giovanni Stea	
	and Jérôme Legrand	Model-Driven Design-		
		Space Exploration for		
		Embedded Systems: The		
		Octopus Toolset		
		Twan Basten, Emiel van		
		Benthum, Marc Geilen,		
		Martijn Hendriks, Fred		
		Houben, Georgeta Igna,		
		Frans Reckers, Sebastian		
		de Smet, Lou Somers, Egbert Teeselink, Nikola		
		Trcka, Frits Vaandrager,		
		Jacques Verriet, Marc		
		Voorhoeve, and Yang Yang		
		Contract-based Slicing		
		Daniela da Cruz, Pedro		

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		Rangel Henriques and	
		Jorge Sousa Pinto	
10:30-	Discussion	Discussion	Discussion
10:50			
10:50-		COFFEE BREAK	
11:10			
11:10-	New challenges in the	Emerging services and	Worst Case Traversal
12:10	development of critical	technologies for a	Time
	embedded systems - an	converging	A Self-Adversarial
	"aeromotive"	Telecommunications /	Approach to Delay
	perspective Seamless	Web world in smart	Analysis under Arbitrary
	Model-driven	environments of the	Scheduling
	Development put into	Internet of Things	Jens B. Schmitt, Hao
	Practice	Invited talk: "Approaches	Wang, and Ivan
	Wolfgang Haberl, Markus	to Integrative Telco	Martinovic
	Herrmannsdoerfer, Stefan	Service Architectures for	Flow Conrtrol with
	Kugele, Michael	the WebX.0"	(Min,+) Algebra
	Tautschnig, and Martin	Ernst-Joachim Steffens,	Euriell Le Corronc,
	Wechs	Deutsch Telekom,	Bertrand Cottenceau, and
	Timely Time Estimates	Germany	Laurent Hardouin
	Andreas Holzer, Visar	Towards More Adaptive	An Interface Algebra for
	Januzaj, Stefan Kugele,	Voice Applications	Estimating Worst-Case
	and Michael Tautschnig	Jörg Ott	Traversal Times in
	Compiler-Support for		Component Networks
	Robust Multi-Core		•
	Computing		Nikolay Stoimenov, Samarjit Chakraborty, and
	Raimund Kirner, Stephan		Lothar Thiele
	Herhut, and Sven-Bodo		Lottiur Tillele
	Scholz		
12:10-	Discussion	Discussion	Discussion
12:30	Discussion	Discussion	Discussion
12:30-		LUNCH	
14:00		20.10.1	

	Room: tba	Room: tba	Room: tba
14:00- 15:00	Tools in Scientific Workflow Composition Opening: Joost N. Kok, Anna-Lena Lamprecht, and Mark D. Wilkinson Workflows for Metabolic Flux Analysis: Data Integration and Human Interaction Tolga Dalman, Peter Droste, Michael Weitzel, Wolfgang Wiechert, and Katharina Nöh Intelligent Document Routing in SQL: a Case Study Carlos Soares and Miguel Calejo Combining Subgroup Discovery and Permutation Testing to Reduce Reduncancy Jeroen S. de Bruin and Joost N. Kok	Emerging services and technologies for a converging Telecommunications / Web world in smart environments of the Internet of Things Invited talk: "The role of testbeds in the implementation of the Future Internet PPP" Anastasius Gavras, EURESCOM Telco Service Delivery Platforms in the last decade - a R&D perspective Sandford Bessler	Worst Case Traversal Time Towards resource-optimal routing plans for real-time traffic Alessandro Lori, Giovanni Stea, Gigliola Vaglini Partially synchronizing periodic flows with offsets improves worst- case end-to-end delay analysis of switched Ethernet Xiaoting Li, Jean-Luc Scharbarg, Christian Fraboul Analyzing end-to-end Functional Delays on an IMA Platform Michael Lauer, Jérôme Ermont, Claire Pagetti, Frédéric Boniol
15:00- 15:20	Discussion	Discussion	Discussion
15:20- 15:50		COFFEE BREAK	

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	Room: tba	Room: tba	Room: tba
15:50- 17:10	Tools in Scientific Workflow Composition Semantically-guided Workflow Construction in Taverna – The SADI and BioMoby Plugins David Withers, Edward Kawas, Luke McCarthy, Benjamin Vandervalk, and Mark Wilkinson Workflow Construction for Service-Oriented Knowledge Discovery Vid Podpecan, Monika Zakova, and Nada Lavrac Workflow composition and enactment using jORCA Johan Karlsson, Victoria Martín-Requena, Javier Ríos, and Oswaldo Trelles A Linked Data Approach to Sharing Workflows and Workflow Results Marco Roos, Sean Bechhofer, Jun Zhao, Paolo Missier, David R. Newman, David De Roure, and M. Scott Marshall	Emerging services and technologies for a converging Telecommunications / Web world in smart environments of the Internet of Things Ontology-Driven Pervasive Service Composition for Everyday Life Jiehan Zhou, Ekaterina Gilman, Jukka Riekki, Mika Rautiainen, and Mika Ylianttila Navigating the Web of Things: visualizing and interacting with Webenabled objects Mathieu Boussard and Pierrick Thébault Shaping Future Service Environments with the Cloud and Internet of Things: Networking Challenges and Service Evolution Gyu Myoung Lee and Noel Crespi Relay Placement Problem in Smart Grid Deployment Wei-Lun Wang and Quincy Wu	EVA-Reha: the software based solution for process and target oriented quality control in rehabilitation: evaluation of the effects in inpatient cardiological rehabilitation Sigrid Linck Short Poster Presentations Organized on demand.
17:30			
17:30-	ITSy-Meeting		
18:30			
18:30		ISoLA Reception	

Tues	Tuesday, October 19 th		
	Room: tba	Room: tba	Room:tba
9:00- 10:20	Web Science Towards a Research Agenda for Enterprise Crowdsourcing Maja Vukovic and Claudio Bartolini Analyzing Collaboration in Software Development Processes through Social Networks Andréa Magalhães Magdaleno, Cláudia Maria Lima Werner, and Renata Mendes de Araujo A Web-based Framework for Collaborative Innovation Donald Cowan, Paulo Alencar, Fred McGarry, Carlos Lucena, and Ingrid Nunes	Model Transformation and Analysis for Industrial Scale Validation WOMM: A Weak Operational Memory Model Arnab De, Abhik Roychoudhury, and Deepak D'Souza A Memory Model for Static Analysis of C Programs Zhongxing Xu, Ted Kremenek, and Jian Zhang Analysing Message Sequence Graph Specifications Joy Chakraborty, Deepak D'Souza, and K Narayan Kumar Optimize Context- Sensitive Andersen-style Points-to Analysis by Method Summarization and Cycle-Elimination Li Qian, Zhao Jianhua, and Li Xuandong	Learning Techniques for Software Verification and Validation Overview of the field, and of the goals of the track Dimitra Giannakopoulou and Corina Pasareanu Invited talk: "Learning NFAs" Martin Leucker Comparing Learning Algorithms in Automated Assume-Guarantee Reasoning Yu-Fang Chen, Edmund M. Clarke, Azadeh Farzan, Fei He, Ming-Hsien Tsai, Yih- Kuen Tsay, Bow-Yaw Wang, and Lei Zhu
10:20- 10:40	Discussion	Discussion	Discussion
10:40- 11:00		COFFEE BREAK	

			Version: 10/15/2010, 17:40
	Room: tba	Room: tba	Room:tba
11:10- 12:10	Web Science A Distributed Dynamics for Web Graph	Model Transformation and Analysis for Industrial Scale Validation	Learning Techniques for Software Verification and Validation
	Decontamination Vanessa C. F. Gonçalves, Priscila M. V. Lima, Nelson Maculan, and Felipe M. G. França Increasing Users' Trust on Personal Assistance Software using a Domainneutral High-level User Model Ingrid Nunes, Simone D.J. Barbosa, and Carlos J.P. de Lucena Understanding IT Organizations Claudio Bartolini, Karin Breitman, Simone Diniz Junqueira Barbosa, Mathias Salle, Rita Berardi, Glaucia Melissa Campos, and Erik Eidt On the 2-Categorical View of Proofs Cecilia Englander and Edward Hermann Haeusler	A Formal Analysis of the Web Services Atomic Transaction Protocol with UPPAAL Anders P. Ravn, Jiri Srba, and Saleem Vighio SPARDL: A Requirement Modeling Language for Periodic Control System Zheng Wang, Jianwen Li, Yongxin Zhao, Yanxia Qi, Geguang Pu, Jifeng He, and Bin Gu AutoPA: Automatic Prototyping from Requirements Xiaoshan Li, Zhiming Liu, Martin Schäf, and Ling Yin Systematic Model-Based Safety Assessment via Probabilistic Model Checking Adriano Gomes, Alexandre Mota, Augusto Sampaio, Felipe Ferri, and Julio Buzzi	Inferring Compact Models of Communication Protocol Entities Therese Berg, Bengt Jonsson, and Siavash Soleimanifard Inference and Abstraction of the Biometric Passport Fides Aarts, Julien Schmaltz, and Frits Vaandrager Invited talk: "From Zulu to RERS" Falk Hower, Maik Merten, and Bernhard Steffen
12:20- 12:40	Discussion	Discussion	Discussion
12:40- 13:30		LUNCH	
13:30- 14:30	ITSy Meeting		
15:00	0	uting & Conference Dinr	ner

Wedi	Wednesday, October 20 th			
	Room: tba	Room: tba	Room:tba	
8:30- 9:20	Opening EternalS and CONNECT Invited talk: tba Jean-Bernard Stefani INRIA			
10:20	EternalS: Mission and Roadmap Introduction to the EternalS Track: Trustworthy Eternal Systems via Evolving Software, Data and Knowledge Alessandro Moschitti HATS: Highly Adaptable and Trustworthy Software using Formal Methods Reiner Hähnle SecureChange: Security Engineering for Lifelong Evolvable Systems Riccardo Scandariato and Fabio Massacci 3DLife: Bringing the Media Internet to Life Ebroul Izquierdo, Tomas Piatrik and Qianni Zhang	Formal Methods in Model-Driven Development for Service- Oriented and Cloud Computing Adaptive Composition of Conversational Services through Graph Planning Encoding Pascal Poizat and Yuhong Yan Performance Prediction of Service-Oriented Systems with Layered Queueing Networks Mirco Tribastone, Philip Mayer, and Martin Wirsing Error Handling: from Theory to Practice Ivan Lanese and Fabrizio Montesi	Quantitative Verification in Practice Opening: Boudewijn R. Haverkort, Joost-Pieter Katoen, and Kim G. Larsen Ten Years of Performance Evaluation for Concurrent Systems using CADP Nicolas Coste, Hubert Garavel, Holger Hermanns, Frédéric Lang, Radu Mateescu, and Wendelin Serwe Towards Dynamic Adaptation of Probabilistic Systems S. Andova, L.P.J. Groenewegen, and E.P. de Vink	
10:20- 10:40	Discussion (10min, 10:30-10:40)	Discussion	Discussion	
10:40- 11:00	·	COFFEE BREAK		

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	Room: tba	Room: tba	Room: tba
11:00-	EternalS: Mission and	Formal Methods in	Quantitative Verification in
12:00	Roadmap	Model-Driven	Practice
	LivingKnowledge: Kernel	Development for Service-	UPPAAL in Practice:
	Methods for Relational	Oriented and Cloud	Quantitative Verification of
	Learning and Semantic	Computing	a RapidIO Network
	Modeling	Modeling and Reasoning	Jiansheng Xing, Bart D.
	Alessandro Moschitti	about Service Behaviors	Theelen, Rom Langerak,
	Task Forces in the	and their Compositions	Jaco van de Pol, Jan
	EternalS Coordination	Aida Causevic, Cristina	Tretmans, and J.P.M.
	Action	Seceleanu, and Paul	Voeten
	Reiner Hähnle	Pettersson	Schedulability Analysis
	Modeling and Analyzing	Design and Verification of	Using Uppaal: Herschel-
	Diversity - Description of	Systems with Exogenous	Planck Case Study
	EternalS Task Force 1	Coordination using	Marius Mikucionis, Kim
	Ina Schaefle	Vereofy	Guldstrand Larsen, Jacob
	Modeling and Managing	Christel Baier, Tobias	Illum Rasmussen, Brian
	System Evolution	Blechmann, Joachim Klein,	Nielsen, Arne Skou, Steen
	Description of EternalS	Sascha Klüppelholz, and	Ulrik Palm, Jan Storbank
	Task Force 2	Wolfgang Leister	Pedersen, and Poul
	Michael Hafner	A Case Study in Model-	Hougaard
	•	based Adaptation of Web	Model-Checking Temporal
	Self-adaptation and Evolution by Learning -	Services	Properties of Real-Time
	Description of EternalS	Javier Camara, Jose	HTL Programs
	Task Force 3	Antonio Martin, Gwen	André Carvalho, Joel
	Richard Johansson	Salaün, Carlos Canal, and	Carvalho, Jorge Sousa Pinto,
		Ernesto Pimentel	and Simão Melo de Sousa
	Overview of		
	Roadmapping by EternalS		
12:00-	Jim Clarke and Keith	Discussion	Discussion
12:20	Howker	Discussion	Discussion
12:20-			
12:20-	Discussion (15min,	LUNCH	
14.00	12:35-12:50)		
	LUNCH		

	Room: tba	Room: tba	Room: tba
14:00- 15:00	CONNECT: Status and Plan Towards an Architecture for Runtime Interoperability Amel Bennaceur, Gordon Blair, Franck Chauvel, Huang Gang, Nikolaos Georgantas, Paul Grace, Falk Howar, Paola Inverardi, Valrie Issarny, Massimo Paolucci, Animesh Pathak, Romina Spalazzese, Bernhard Steffen, and Bertrand Souville On Handling Data in Automata Learning - Considerations from the CONNECT Perspective Falk Howar, Bengt Jonsson, Maik Merten, Bernhard Steffen, Sofia Cassel A Theory of Mediators for Eternal Connectors Paola Inverardi, Valérie Issarny, and Romina Spalazzese	Certification of Software- Driven Medical Devices Certification of Software- Driven Medical Devices Mark Lawford, Tom Maibaum, and Alan Wassyng Arguing for Software Quality in an IEC 62304 Compliant Development Process Michaela Huhn and Axel Zechner Design Choices for High- Confidence Distributed Real-time Software Sebastian Fischmeister and Akramul Azim Trustable Formal Specification for Software Certification Dominique Méry and Neeraj Kumar Singh Assurance Cases in Model- Driven Development of the Pacemaker Software Eunkyoung Jee, Insup Lee, and Oleg Sokolsky	Modeling and Formalizing Industrial Software for Verification, Validation and Certification Improving Portability of Linux Applications by Early Detection of Interoperability Issues Denis Silakov and Andrey Smachev Specification Based Conformance Testing for Email Protocols Nikolay Pakulin and Anastasia Tugaenko Covering arrays generation methods survey Victor Kuliamin and Alexander Petukhov
15:20- 15:40	Discussion (20min, 15.00-15:20)	Discussion	Discussion
15:40- 16:10		COFFEE BREAK	

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	Room: tba	Room: tba	Room: tba
16:10-	CONNECT: Status and	Panel: Certification of	
17:30	Plan	Software-Driven Medical	
	On-the-fly	Devices	
	Interoperability through	Mark Lawford, Tom	
	Automated Mediator	Maibaum, and Alan	
	Synthesis and	Wassyng	
	Monitoring		
	Antonia Bertolino, Paola		
	Inverardi, Valérie Issarny,		
	Antonino Sabetta, and		
	Romina Spalazzese		
	Dependability Analysis		
	and Verification for		
	Connected Systems		
	Felicita Di Giandomenico,		
	Marta Kwiatkowska,		
	Marco Martinucci, Paolo		
	Masci, and Hongyang Qu		
	Towards a Connector		
	Algebra		
	Marco Autili, Chris		
	Chilton, Paola Inverardi1,		
	Marta Kwiatkowska, and		
	Massimo Tivoli		
17:10-	Discussion		
17:30			
17:30-	ITSy-Meeting		
18:30	,		
20:00		Fish Dinner (optional)	

Thursday, October 21 th		
	Room: tba	Room: tba
9:00-	EternalS: Project Meeting	Resource and Timing Analysis
9:30	Welcome to the 2nd EternalS Project Meeting (Alessandro Moschitti) - Project activities - Report on the UNITN activities - Next Steps	A Scalable Approach for the Description of Dependencies in Hard Real-Time Systems Steffen Kollmann, Victor Pollex, Kilian Kempf, and Frank Slomka Verification of Printer Datapaths using Timed Automata
9:30- 10:00	WP1: Task Forces Management (Reiner Hähnle, 9:30-10:30) - Report on the CTH activities - Discussion on first results from Task Forces: what are next steps?	Georgeta Igna and Frits Vaandrager Resource analysis of Automotive/Infotainment systems based on domain-specific models – a real-world example Dr. Klaus Birken, Daniel Hünig, Thomas Rustemeyer, and Ralph Wittmann
10:00- 10:20		Discussion
10:20- 10:50	COFFEE BREAK	
10:50- 11:50	EternalS: Project Meeting WP3: Building and supporting the EternalS community (Riccardo Scandariato) - Report on the KUL activities - Discussion on Building Communities and next steps	Resource and Timing Analysis Source-Level Support for Timing Analysis Gergö Barany and Adrian Prantl Practical Experiences of Applying Source-Level WCET Flow Analysis on Industrial Code Björn Lisper, Andreas Ermedahl, Dietmar Schreiner, Jens Knoop, and Peter Gliwa Worst-Case Analysis of Heap Allocations Wolfgang Puffitsch, Benedikt Huber, and Martin Schoeberl
12:10		Discussion
12:10- 14:00	LUN	NCH

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	Room: tba	Room: tba
14:00- 15:00 15:00- 15:20	EternalS: Project Meeting WP2: Vision and strategy roadmap (Jim Clarke) - Report on the WIT activities - Discussion on road map status and needs WPs: INRIA Actions (Animesh Pathak) - Report on activities	Resource and Timing Analysis Partial Flow Analysis with oRange Marianne de Michiel, Armelle Bonenfant, Clément Ballabriga, and Hugues Cassé Towards an evaluation infrastructure for automotive multicore real-time operating systems Jörn Schneider and Christian Eltges Context-Sensitivity in IPET for Measurement-Based Timing Analysis Michael Zolda, Sven Bünte, and Raimund Kirner On the Role of Non-Functional Properties in Compiler Verification Jens Knoop and Wolf Zimmermann
45:20	- Next Steps - Discussion	
15:20- 15:40	WPs: QMUL Actions (Tomas Piatrik) - Report on activities - Next Steps - Discussion	Discussion
15:40- 16:10	COFFEE BREAK	
16:10- 16:30	EternalS: Project Meeting WP4: Project Management (Alessandro Moschitti) - Administrative steps	
16:30- 17:00	General Discussion (16:30- 17:30) - Next Meetings - Preparing for EternalS WS in February/March - Closer collaboration between partners' initiatives - Other Items Wrap-up and End of the Meeting (17:30-17:35)	ISoLA Business Meeting
17:15- 18:15		ITSy-Meeting