Technical Programme Aachen 2001

Tuesday, September 11, 2001

9:00	Tutorials (see Tutorial Programme)
17:30	
19:30	Get Together Party

Wednesday, September 12, 2001

	MMB	PAPM/ProbmiV	PNPM	
9:00	Opening (room Fo 4)			9:00
9:30	Invited Paper: Daniel Menascé / Using Performance Models to Dynamically Control E–Commerce Performance			9:30
10:30	Break			10:30
11:00	Kim / An Analytical Model for a QoS Capable Cluster Interconnect	Vaandrager / A Theory of (Normed) Simulation Relations	Marsan / On Petri Net–Based Modeling Paradigms for the Performance Analysis of Wireless Internet Accesses	11:00
	Telek / Analysis of Partial Loss Reward Models and its Application		Tutsch / Petri Net based Performance Evaluation of USAIA's Bandwidth Partitioning for the Wireless Cell Level	
	Gribaudo / Numerical Analysis of Bounded Fluid Models using Matrix Exponentiation	Katoen / Faster and Symbolic CTMC Model Checking	Bobbio/Dependability Assessment of an Industrial Programmable Logic Controller via Parametric Fault–Tree and High level PN	
12:30	Lunch			12:30
14:00	Invited Paper: Markus Siegle / Advances in Model Representation			14:00
15:00	Incera / Fluid simulation of TCP flows	López / Beyond Memoryless Distributions: Model Checking SMCs	Deavours / Möbius: Framework and Atomic Models	15:00
	Luethi / A Simulation Framework for the Performance Evaluation of Cache Hierarchies	Folegati / Coin Lemmas with Random Variables	Clark / The Möbius Modeling Tool	
16:00				16:00
16:15	Plenary Tools Session			16:15
18:00				18:00

Thursday, September 13, 2001

	MMB	PAPM/ProbmiV	PNPM	
9:00	Heidtmann / Measurement and Traffic Characterisation of H.26x–coded Video Streams	Hillston / An Efficient Kronecker Representation for PEPA Models	Bernardi / Concurrent Generalized Petri Nets: Regenerative Conditions	9:00
	Hartleb / Verkehrsmodell und Dimensionierungsverfahren für IP–Backbone–Links	Bernardo / Reward Based Congruences: Can We Aggregate More?	Gribaudo / Fluid Stochastic Petri Nets Augmented with Flush–out Arcs: Numerical Solution Techniques	
	Buchholz / A numerical analysis of a communication system with advanced reservations	Cloth / Using Max–Plus Algebra for the Evaluation of Stochastic Process Algebra Prefixes	Tuffin / Modeling and Analysis of Threshold Queues with Hysteresis using Stochastic Petri Nets: the Monoclass Cas	
10:30	Break			10:30
11:00	Sievering / Performance Analysis of the Random Access Protocol in TETRAPOL Trunked Radio Networks	Sastry / Sub–optimal Strategies for a Class of Partially Observable Games: Pursuit Evasion Games between UAVs and UGVs	Deavours / The Möbius Execution Policy	11:00
	Sarolahti / Seawind: a Wireless Network Emulator		Horváth / Time Domain Analysis of NMSPNs with Preemptive Repeat Identical Type Transitions	
	Fikouras / Accelerating Mobile IP hand–offs through Link–layer Information	D'Argenio / Reachability Analysis of Probabilistic Systems by Successive Refinements	Jones / On Phased Delay Stochastic Petri Nets: Definition and an Application	
12:30	Lunch			12:30
14:00	Invited Paper: Hansjörg Fromm / Trends in E–Business: Supply Chain Management and E–Market Places			14:00
15:00	Heindl / MAP Based Decomposition of Tandem Networks of ./PH/1(/K) Queues with MAP Input	D'Argenio / MoDeST: a Modelling and Description Language for Stochastic Timed Systems	Franceschinis / SWN Models of a Contact Center: a Case Study	15:00
	Sadre / Flows in networks of MAP/MAP/1 queues	Buchholz / Quantifying the Dynamic Behavior of Process Algebras	Wells / Simulation Based Performance Analysis of Web Servers	
16:00	Break			16:00
16:30	MMB–Award: Best Diploma–Thesis/Dissertations Wilk / Breuer / Schwefel	Bravetti / Expressing Processes with Different Action Durations through Probabilities	Buchholz / Equivalence and Aggregation of GSPNs with Labeled Transitions	16:30
		Brim / Randomisation Helps in LTL Model Checking	Hillston / A Comparison of the Expressiveness of SPA and Bounded SPN Models	
		Clark / Implementing a Stochastic Process Algebra within the Möbius Modeling Framework	Macia / sPBC: A Markovian Extension of Finite PBC	
18:00				18:00
20:00	Conference Dinner			20:00

Friday, September 14, 2001

9:00	Invited Paper: Gianfranco Ciardo / What a Structural World			9:00
10:00	Break			10:00
10:30	MMB : Krishnamurthy / A Systematic Method for Creating Performance Tests for E–Commerce Systems	MMB: Breuer / The Inhomogeneous BMAP/G/infinty Queue	PNPM: Balbo / Embedded Processes in Generalized Stochastic Petri Nets	10:30
	MMB: Van der Mei / Processing Times of Transaction Servers with Quality of Service Differentiation	PNPM: Boyer / Multiple Enabledness of Transitions in Petri Nets with Time	PNPM: Buchholz / Compact Representations of Probability Distributions in the Analysis of Superposed GSPNs	
	MMB: Reichl / Retrospective Pricing Models for Internet Services: Solving the Flat Rate Dilemma "à la Flensburg"	PNPM: Riviere / Reachability and Temporal Conflicts in t–Time Petri Nets	PNPM: Freiheit / A Divide and Conquer Approach for the Performance Evaluation of Large Stochastic Petri Nets	
	MMB: Essafi / Dynamic Priority Scheduling for Proportional Delay Differentiated Services	PNPM: Chiola / A Reachability Graph Construction Algorithm Based on Canonical Transition Firing Count Vectors	PNPM: Miner / Efficient Solution of GSPNs using Matrix Diagrams	
12:30	Closing			12:30