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Workshop on

Formalisms, Principles and State-of-the-Art

of Quantitative Modelling in Parallel Systems*

Erlangen/Pommersfelden — March, 17-19 1993

— SCHEDULE —

Program Committee:

N. Götz
U. Herzog
M. Rettelbach

Organizing Committee:

U. Nestmann
M. Rettelbach
M. Steffen

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Wednesday, March 17

	Arrival, transfer to the campus
noon	Lunch at the campus
13.00	Meeting of the QMIPS-management-board
14.00	Welcome

1st Session — Chairman: *Francois Baccelli*

14.10	*Giovanni Chiola* (UTO) **The Timed (Coloured) Petri Net Formalism**
15.10	*Susanna Donatelli* (UTO) **Mandatory Example: SWN Modelling**
15.40	*Rossano Gaeta* (UTO) **(Coloured) GSPN Models of the UTO1 Example**
16.00	*Giovanni Chiola* (UTO) **SWN Models of the UTO2 Example**
16.15	*Marina Ribaudo* (UTO) **SWN Models of the UTO3 Example**
16.30	End of session

Break

2nd Session — Chairman: *Gianfranco Balbo*

17.00	*Franz Hartleb, Rainer Klar* (UER) **Graph Models**
17.30	*Beatriz Sanchez* (ZAR) **Monotonicity Results for Stochastic Weighted T-Systems**
18.00	*Javier Campos* (ZAR) **Approximate Throughput Computation of Stochastic Marked Graphs**
18.30	End of session

	Transfer to Pommersfelden
20.00	Dinner at Pommersfelden

Thursday, March 18

8.00 Breakfast

3rd Session
Chairman: *Giovanni Chiola*

9.00 *Michael Rettelbach* (UER)
Selected Examples on TIPP

9.45 *Norbert Götz* (UER)
Process Algebra for Performace Analysis

10.30 End of session

Break

4th Session
Chairman: *Ulrich Herzog*

11.00 *Ben Strulo, Peter G. Harrison* (IMP)
Process Algebra for Discrete Event Simulation
Ben Strulo, D. Gabbay, Peter G. Harrison (IMP)
Temporal Logic in a Stochastic Environment

12.15 End of session

Lunch

5th Session
Chairman: *Erol Gelenbe*

14.00 *Zhen Liu* (INR)
The Mandatory Example via Stochastic Recurrence Equations

14.40 *Francois Baccelli* (INR)
Beyond the Mandatory Example via Stochastic Recurrence Equations

15.05 *Alain Jean-Marie* (INR)
Evaluation of the Stochastic Recurrence Equations Method

15.30 End of session

Break

6th Session
Chairman: *Onno Boxma*

16.00 *Ger Koole* (CWI)
Analysis of the Mandatory Example using the Power Series Algorithm

16.45 *Isi Mitrani* (UNE)
The Spectral Expansion Method for a Class of Markov Models

17.30 End of session

17.30 Possibility for discussions

19.00 Dinner

Friday, March 19

8.00	Breakfast	

7th Session

Chairman: *Isi Mitrani*

9.00 *Onno Boxma, Marco Combe* (CWI)
Optimization of Static Traffic Allocation Policies

9.45 *Erol Gelenbe, Ferhan Pekergin* (EHE)
Load Balancing Pragmatics

10.30 End of session

Break

8th Session

Chairman: *N. N.*

11.00 *Jose Aguilar* (EHE)
Graph Partitioning and Load Balancing

11.45 *Onno Boxma* (CWI)
Introduction to the Analytic Methods Workshop (September '93)

12.15 Discussions

12.45 End of session

Lunch

14.00 Official end of the workshop
Transfer to Erlangen University or Airport

15.00 Possibility for discussions at the Institute