

# ASCI winterschool on Embedded Systems 2010

When: March 16-19 (15 March for GNARP), 2010

Where: Soesterberg, klooster Cenakel

Theme: Programming many core systems



## Monday 15 March

GNARP Workshop

## Tuesday 16 March

- 09.30 – 10.00 Arrival + Coffee/tea
- 10.00 – 10.15 Opening
- 10.15 – 11.00 Applications (Dr. A. Varbanescu, TU Delft)
- 11.00 – 11.15 Break
- 11.15 – 12.00 Applications (Dr. H. Schurer, Thales)
- 12.00 – 13.30 Lunch
- 13.30 – 14.15 Applications (Prof. dr. S. Portegies Zwart, Leiden University)
- 14.15 – 14.30 Break
- 14.30 – 15.15 Applications (Dr. P. Gangwal, NXP)
- 15.15 – 15.45 Break + discussion
- 15.45 – 16.30 Introduction to many-core architectures (Prof. dr. H. Corporaal, TU/e)
- 16.30 – 16.45 Break
- 16.45 – 17.30 Introduction to many-core architectures (Prof. dr. H. Corporaal, TU/e)

## Wednesday 17 March

- 08.30 – 09.15 Concurrent models of computation (Prof. dr. T. Basten)
- 09.15 – 09.30 Break
- 09.30 – 10.15 Concurrent models of computation (Prof. dr. T. Basten)
- 10.15 – 10.45 Break + discussion
- 10.45 – 11.30 Programming models (Dr. A. Varbanescu, TU Delft)
- 11.30 – 11.45 Break
- 11.45 – 12.30 Coordination languages (Prof. dr. F. Arbab, CWI/Leiden University)
- 12.30 – 14.00 Lunch
- 14.00 – 14.45 MPSoC Application Programming Studio (Prof. dr. R. Leupers, RWTH Aachen)
- 14.45 – 15.00 Break
- 15.00 – 15.45 MPSoC Application Programming Studio (Prof. dr. R. Leupers, RWTH Aachen)
- 15.45 – 16.15 Break + discussion
- 16.15 – 17.00 Automatic derivation of Process Networks (Dr. T. Stefanov, Leiden Univ.)
- 17.00 – 17.15 Break
- 17.15 – 18.00 Automatic derivation of Process Networks (Dr. T. Stefanov, Leiden Univ.)

## **Thursday 18 March**

08.30 – 09.15 Runtime mapping (Dr. P. Hölzenspies/Prof. dr. G. Smit, UT)  
09.15 – 09.30 Break  
09.30 – 10.15 Runtime mapping (Dr. P. Hölzenspies/Prof. dr. G. Smit, UT)  
10.15 – 10.45 Break + discussion  
10.45 – 11.30 Compiler Technology (Dr. M. Beemster, ACE)  
11.30 – 11.45 Break  
11.45 – 12.30 Compiler Technology (Dr. M. Beemster, ACE)  
12.30 – 14.00 Lunch  
14.00 – Social event

## **Friday 19 March**

08.30 – 09.15 Predictable design (Prof. dr. M. Bekooij, NXP/UT)  
09.15 – 09.30 Break  
09.30 – 10.15 Predictable design (Prof. dr. M. Bekooij, NXP/UT)  
10.15 – 10.45 Break + discussion  
10.45 – 11.30 Single Assignment C and S-net (Dr. C. Grellck, UvA/Univ. of Hertfordshire)  
11.30 – 11.45 Break  
11.45 – 12.30 Single Assignment C and S-net (Dr. C. Grellck, UvA/Univ. of Hertfordshire)  
12.30 – 14.00 Lunch  
14.00 – 14.45 Debugging of many-core systems (Dr. Vermeulen, NXP)  
14.45 – 15.00 Break  
15.00 – 17.30 Hands-on Lab