

PROGRAMME

International Summer School on Microtechnology

Lectures- workshops -research highlights – networking – career building

15th-21st July 2013, Department of Computer and Electrical Engineering, at the Furtwangen University, Black Forest, Germany

Monday, 15th July 2013

8:30-9:00	Registration
9:00	Welcome address
09:30-11:00	Lecture: Microsystem Technology: Concepts and Applications (Part I) Prof. Dr. Ulrich Mescheder, Furtwangen University
11:00-11:15	Coffee break
11:15-12:45	Lecture: Microsystem Technology: Concepts and Applications (Part II) Prof. Dr. Ulrich Mescheder, Furtwangen University
12:45-14:00	Lunch break
14:00-15:30	Workshop: Functional Microsystems NN
15:30-15:45	Coffee break
15:45-18:00	Workshop – Make Your life smarter : Applications of a Microsystem--Creativity Team Contest Groups of participants will team up every afternoon to elaborate THEIR solution to a simple technical challenge. Creativity techniques and guidance through the technical aspects of the challenge will be provided by experienced staff. The proposed solutions will be briefly presented by the groups to all other participants and representative from academia and industry on Thursday. Winning teams will be selected and awarded a prize.

Tuesday, 16th July 2013

9:00-10:30	Lecture: Fabrication Technology for Microsystems Prof. Dr. Ulrich Mescheder, Furtwangen University
10:30-11:00	Coffee break
11:00-12:30	Lab: Working in a clean room: Hands on lab on Fabrication Technology
12:30-13:15	Lunch break
13:15-15:45	Job application seminar for job starters Rainer Schmidt, D. und R. Schmidt GbR

15:45-16:00	Coffee break
16:00 -18:00	Workshop – Make Your life smarter :Applications of a Microsystem--Creativity Team Contest (cont'd)
Evening Programme	

Wednesday, 17th July 2013

9:00-10:30	Lecture Microsystem Technology for Medical Applications (Part I) Prof. Dr. Bucher, Furtwangen University Intelligent Implants: basics, encapsulation strategies, applications
10:30-10:45	Coffee break
10:45-12:15	Lecture Microsystem Technology for Medical Applications (Part II) Prof. Dr. Bucher, Furtwangen University Intelligent Implants: basics, encapsulation strategies, applications
12:15-13:15	Lunch break
13:15-14:45	Microelectronic Workshop Part I Prof. Dr. Gerald Higelin, Furtwangen University Device-Engineering and Characterization
14:45-15:00	Coffee break
15:00-18:00	Workshop – Make Your life smarter : Applications of a Microsystem--Creativity Team Contest (cont'd)
Evening Programme	

Thursday, 18th July 2013

9:00-10:30	Microelectronic Workshop Part II Prof. Dr. Gerald Higelin, Furtwangen University Reliability
10:30-10:45	Coffee break
10:45-12:15	Presentations and wrap-up of Workshop results Participants
12:15-13:15	Lunch break
13:15-15:15	Meet the industry / Microsystems in Industry /Job interviews
15:15-15:30	Coffee break
15:30-18:00	Meet the Industry / Microsystems in Industry /Job interviews

18:00-21:00	Award for best teams of workshop: Applications of a Microsystem Get-together with regional gastronomic specialties (mit Industrievertretern)
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Friday, 19th July 2013

9:00-9:45	Microfluidics Prof. Dr. Stephan Messmer, Furtwangen University
9:45-10:30	Microoptics Prof. Dr. Dietrich Kühlke, Furtwangen University
10:30-10:45	Coffee break
10:45-12:30	Workshop: Modelling and simulation of microsystems N.N.
12:30-13:00	Closing Session of the International Student Conference on Microtechnology Prices, Conclusions and future prospects Prof. Dr. Ulrich Mescheder, Furtwangen University
13:00-14:00	Lunch break / End of the conference
14:00	Start of the free Post Conference Programme, 19th-21st July 2013 The program will be organized by bw-i Baden-Württemberg International. The two-and-a-half day post conference programme will give participants the opportunity to learn more about the cluster microTEC Südwest (Southwest) and its members, as well as the region. The programme comprises site visits to renowned microtechnology companies and cutting-edge research institutions in this field. It will end around 14:00h on Sunday, 14th October.
	For further details on the free Post Conference Programme please download its programme on www.microtec-career.com

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