

4th AMICOM Summer School RF-MEMS and RF Microsystems

2nd – 6th July 2007 LAAS – CNRS Toulouse

Each year the EU's AMICOM network of Excellence, organises a summer school on RF MEMS and RF Microsystems. The purpose of this event is to exchange knowledge in this highly active and dynamic field. A number of seminars will be presented by experts from leading European institutions. Even though, this event is open to all AMICOM partners, we also welcome those from non-AMICOM institutions and industry. This year's summer school will take place at LAAS-CNRS (Toulouse – France) from Monday 2nd until Friday 6th of July 2007. A banquet has also been organised for all participants on Thursday 5th July. The lectures given will cover the following themes:

Introduction to RF and RF MEMS

MEMS Processing - Modelling and Characterization

RF NEMS - Piezoelectric MEMS

Reliability and Failures Analysis

Reconfigurable architectures - Packaging and assembly

Few but important differences, with respect to previous editions, are planned in this year's summer school: First, a student poster and presentation session is scheduled on the 3rd day – Second, the courses duration will be of 90 minutes each (instead of 60 min) – Third, two tutorials devoted to RF-MEMS design analysis and modeling with commercial CAD tools are foreseen. These tutorials will be interactive and dedicated to design and modelling of RF-MEMS devices from the electromagnetic (Ansoft HFSS and Agilent ADS) so as the Electro-mechanical (Comsol and Coventorware) point of view.

For more information, please visit our website: http://www.laas.fr/AMICOM_SS07 or contact *Fabio Coccetti*: coccetti@laas.fr

Timetable:

	9:00 – 10:30	Break	11:00 – 12:30	Lunch	13:30 – 15:00	Break	15:30 – 17:00	Break	18:00–19:30	Dinner
Mon. 2 July	Welcome Registration (Start at 9:30)		Introduction to RF- MEMS (R. Plana - LAAS J.L. Cazaux - TAS)	Buffet (at LAAS)	Processing and Materials (T. Lisec - FHG-ISIT)		Non Silicon MEMS and IC processing (G. Konstantinidis - FORTH)			
Tue. 3 July	Electromagnetic design and Modeling (L. Vietzoreck - TUM)		Circuit design and Modeling (C. Papavassiliou - Imperial College)	Buffet (at LAAS)	TUTORIAL on Electro- magnetic design and modeling with HFSS (F. Coccetti - LAAS)		TUTORIAL on Electro- magnetic design and modeling with ADS (A. Coustou - LAAS)			
Wed. 4 July	Mechanic. Design and Characterization (V. Leus - TECHNION)		Reliability and Failures analysis (G. Papaioanou - NKUA)	Buffet (at LAAS)	TUTORIAL on Electro- mechanical design and modeling with COMSOL (D. Peyrou - LAAS)		TUTORIAL on Electro- mechanical design and modeling with Coventorware (M. Al-Ahmad - LAAS)		Student Presentation/ posters	Buffet (at LAAS)
Thu. 5 July	RF MEMS Actuators and Switches (P. Blondy - XLIM)		RF-NEMS (M. Dragoman - IMT)	Buffet (at LAAS)	Piezoelectric MEMS (BAW - SAW) P. Kirby (Cranfield Univ.)		Stresses & Temperatures characterizations for RF MEMS Reliability (R. Fillit - ARMINES)			Social Dinner
Fri. 6 July	Reconfigurable Architectures (Filters, Matching network, antenna) (L. Dussopt LETI /T. Vaha-Heikkila VTT)		Packaging and Assembly (Invited Speaker) (M. Tentzeris Georgia Institute of Technology)	Buffet (at LAAS)						

Registration Form:

4th AMICOM Summer School, Toulouse 2-6 July 2007
 Please reserve a place on this course (Photocopy for additional applicants)

Delegate's Details:
 TITLE: FIRST NAME: SURNAME:
 OCCUPATION/JOB TITLE:
 ORGANISATION:
 WORK ADDRESS:
POST CODE: COUNTRY:
 TEL.: FAX: EMAIL:

Course Fees (VAT Exempt):
****Please note all fees must be received BEFORE the course start date****
 SUMMER SCHOOL REGISTRATION FEE:
 AMICOM students FREE
 AMICOM research staff & senior members..... 100 €
 Non AMICOM members 200 €
 Banquet – extra Ticket..... 20 €

Methods of Payment:
INVOICE: Please invoice the following person/organization for the sum of: €
 INVOICE REFERENCE/ORDER NUMBER
 ORGANISATION.....
 ADDRESS.....

 FOR THE ATTENTION OF: Agent Comptable du CNRS (AMICOM)
 POSITION.....TEL.....

Bank transfert from France:

Banque	Guichet	Compte	Domiciliation
10071	31000	1001253	Trésor Public Toulouse

International Bank Transfert
International Bank Account Number - IBAN
 FR76 1007 1310 0000 0010 0125 319 BDFEFRPPXXX

By Credit Card (please fill in, sign and send back the form you find on the web)

Other Information: PLEASE DELETE AND TICK AS REQUIRED
 I will/will not require special meals (e.g. Vegetarian). Please give details
 I will/will not need special facilities for a disability. Please give details
 For accommodation bookings please contact LAAS-CNRS at email: ducrocq@laas.fr (See list Hotel)

I agree that if payment is not received from the above organization, I will be personally liable for the full fee.
 APPLICANT'S SIGNATURE: DATE:

Please send or fax the completed form to:
 Brigitte DUCROCQ
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