

Demonstrating the traditionally good and fruitful relationship among the member countries, a workshop about a common EU project, Elect2eat (www.elect2eat.eu) was organized during the Symposium. This project initiates life-long e-learning in electronics design and technology, improving the knowledge of students in vocational education schools and of skilled workers in electronics assembling companies. There is also a scientific bilateral cooperation between Romania and Hungary, with the topic of low-energy consuming joining technologies. Several papers were written in the frame of this cooperation at this and other previous international conferences (ISSE, IMAPS Cz&Sk). At SIITME 2009, Radu Bunea presented a paper about laser soldering topic, which is the result of his 6-week stay in Hungary, where he did experiments with the help of the local experts.



The awarding ceremony of SIITME 2009, for Best and Excellent Poster Awards

At the closing ceremony, the best scientists were awarded: the Best Poster Award was given to Mr. Ciprian Ionescu (UPB-CETTI, Bucharest) for the paper entitled Electrochemical Sensor with Polymer Thick Film Printed Electrodes; the Best Poster Award for Young Scientist was given to Mr. Rajmond Jánó (TU Cluj-Napoca), for the paper entitled Intelligent Human Interface Device. Excellent Poster Awards for Young Scientist were given to Mr. Cosmin Tamas (UPB-CETTI, Bucharest), Mr. Olivér Krammer (BME-ETT, Budapest), Mr. Constantin Barabasa (Gh. Asachi TU, Iasi) and Mr. Radu Bunea (UPB-CETTI, Bucharest). Excellent Poster Awards

were given to Ms. Marina Santo Zarnik (HIPOT Slovenia) and to Mr. Radu Arsinte (TU Cluj-Napoca). Acknowledgements were expressed to Ms. Georgiana Buta (Stefan cel Mare University, Suceava), Mr. Iulian Busu (UPB-CETTI, Bucharest) and to Mr. Mihai Machedon (TU Brasov).

During the whole conference, the organizers made efforts to present Hungary and to have an overview of the local specialties. One of them was a *pálinka* tasting and the secrets of the production were also shown. The participants had the opportunity to visit the castle and the spa. These occasions enhanced the contacts and networking which forecast future scientific and social relationships.

Chapter News:

Report by IEEE Singapore REL/CPMT/ED Chapter for July-Sep 2009

Submitted by Kin-Leong PEY, Chair - Singapore REL/CPMT/ED Chapter

Together with Institute of Microelectronics, the Chapter jointly organized a talk on 20 July 2009 on "Recent Advances in Anisotropic Conductive Adhesives (ACAs) Interconnection Technology – Low Temperature and Fast Assembly Methods" by Prof Kyung-Wook Paik, Korea Advanced Institute of Science and Technology (KAIST). He response was overwhelmed with about 80 participants attended this talk.

Jointly organized with the Microelectronic Center, School of Electrical and Electronic Engineering, Nanyang Technological University, the Chapter organized a Workshop and IEEE EDS Mini-colloquium on NANometer CMOS Technology (called 20th WIMNACT) on 11 August 2009. Three EDS Distinguished Lecturers (Prof. Juzer Vasi, IIT Bombay, India, Prof. Ramgopal Rao, IIT Bombay, India and Dr. Samar Saha (IEEE EDS VP Publications), Silterra USA Inc., USA) presented three talks. The workshop was officially opened by Prof. Kam Chan Hin, Chair of the School of Electrical and Electronic Engineer, NTU. These were Modeling and Simulation of Flash Memory Devices by Prof. Vasi, Polymer Based Sensor Systems for Healthcare & Homeland Security by Prof. Rao and Device Considerations for Ultra-Low Voltage Analog Integrated Circuits by Dr. Saha. About 30 participants attended the talk.

The Chapter co-hosted the 16th IEEE International Symposium on the Physical and Failure Analysis of Integrated Circuits (IPFA 2009). It was held from 6-10th July 2009 in Suzhou, China. Eight tutorials were conducted on 6 and 7 July 2009, with two parallel sessions. 15 invited papers were presented over the 3-day symposium from 8 to 10 July 2009. This is the first time that IPFA is being held in China and despite the global financial crisis, almost 200 abstracts were received. For the 3-day symposium, there were two parallel sessions with 81 oral presentations. A record 94 papers were accepted for the poster presentations. There were more than 200 participants for the tutorials and symposium and 27 exhibitors participated. The "Art of Failure Analysis" Photo Contest attracted some high quality photographs. The first-prize photo was featured on the cover page of the IEEE Spectrum online and the top 10 entrants were included as a slideshow in the IEEE Spectrum

Magazine website. More information can be found at www.sipac.gov.cn/ywdd/200907/t20090709_49025.htm and www.sipac.gov.cn/sipnews/gd/200907/t20090709_49000.htm.



20th WIMNACT. First row from left – Prof. Zhou Xing (IEEE Singapore Rel/CPMT/ED Chapter ExCo member), Prof. Kin-Leong Pey (Chair, IEEE Singapore Rel/CPMT/ED Chapter), Prof. Kam Chan Hin (Chair, School of Electrical and Electronic Engineering, NTU), Dr. Samar Saha, Prof. Juzer Vasi and Prof. Ramgopal Rao.



The opening ceremony of IPFA 2009 in Suzhou, China.

News from **Saratov/Penza** joint Chapter

Submitted by N. M. Ryskin, Chapter Chair

Fourth conference for young scientists “Nanoelectronics, Nanophotonics and Nonlinear Physics”:

On September 7–9, 2009 Fourth conference for young scientists “Nanoelectronics, Nanophotonics and Nonlinear Physics” was held in Saratov (NNNPh’09). The conference was hosted by Saratov Branch of the Institute of Radio Engineering and Electronics, Russian Academy of Science (IRE RAS). Conference program included 10 Plenary Lectures presented by invited speakers, 49 talks and 26 posters presented by young scientists and students. The presentations were divided in 5 sessions: “Micro and nanoelectronics, nanomaterials and nanostructures”, “Optics and nanophotonics”, “Acousto and magnetoelectronics”, “Nonlinear physics”. Over 100 participants attended the conference including guests from

Moscow, Ulyanovsk, Ufa, Ekaterinburg. The book of abstracts was published and distributed at the conference. Conference web page is located at <http://nnnph06.fatal.ru>

Saratov/Penza IEEE Chapter supported the conference financially and technically. The Conference Chair was Prof. S.A. Nikitov (IRE RAS, Moscow) who is a Vice-Chair of the IEEE Russian Section. Dr. Irene E. Kuznetsova chaired the Local Technical Committee. Many IEEE members served as members of Program Committee, Session Chairs and Plenary Lecturers.

2009 Chapter Workshop “Electromagnetics of Microwaves, Submillimeter and Optical Waves”:

On September 24, 2009 Saratov/Penza IEEE Chapter hold its annual Workshop “Electromagnetics of Microwaves, Submillimeter and Optical Waves”. At the beginning of the Workshop, Chapter Chair Prof. N.M. Ryskin presented the 2008/09 Activity report which was approved by the IEEE members. The Workshop technical program included 7 talks, one poster and 2 Internet reports. 13 IEEE Members and 8 guests attended the workshop.



Chapter Chair Prof. N.M. Ryskin presenting 2008/09 Annual Report

Finland Chapter Update

Toni Mattila, Chair - IEEE Finland

Over the recent two years the Finnish CPMT Chapter has actively developed its local activities. In the beginning of 2009 the chapter board was reinforced by two new members to facilitate the arrangement of events.

Together we have arranged a series of seminars with alternating topics. In the autumn of 2008, we had a seminar focusing on high-density packaging and integration technologies. The seminar was kindly hosted by Imbera Electronics, which is a leading provider of embedded packaging solutions. In the spring of 2009, we had a full day seminar with the emphasis on electronic packaging and mechanical shock reliability. We were fortunate to have two CPMT distinguished lecturers and well-known professionals in their field as speakers in this event, Prof. Ephraim Suhir and Prof. James E. Morris. The board of the CPMT Finland wishes to thank both speakers for the success of the seminar.

In November 2009 we will continue with a seminar whose topic this time will be MEMS, MEMS based sensors and their applications. The seminar we cover topics ranging from the development of

individual MEMS/sensor to systems and products where they are employed. In the seminar we will hear presentations by speakers from Helsinki University of Technology, Nokia, Suunto, Vaisala, VTI-Technologies, and VTT Technical Research Centre of Finland. The latest updates and information can be found on our web page at ewh.ieee.org/r8/finland/cpmt.

Student Chapter News:

CPMT **San Jose State University** Student Chapter

Submitted by Reuben Thibodeau, Chair - IEEE-CPMT SJSU

CPMT SJSU is now an officially recognized student organization!

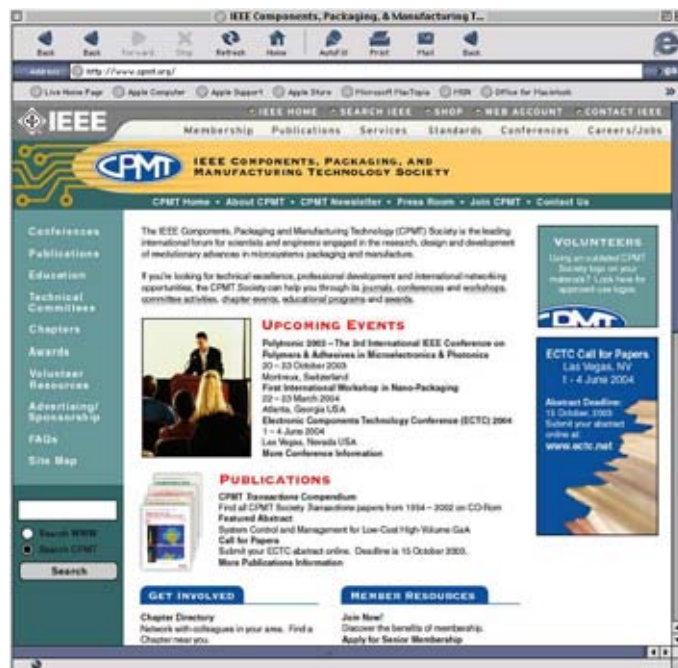
We are a multidisciplinary group of students focused on exploring technology, creating success, and having fun. Our members promote professional and technical growth by integrating industry experience with academic ingenuity, supporting dynamic collaboration on student projects and fostering an atmosphere for innovation and excellence. Components, packaging, & manufacturing technology presents many interesting opportunities for SJSU students and we invite guest speakers to come share experiences working in these areas.



In the picture from left to right: Ruth Herrera-Reed, Melinda Mendolla, Reuben Thibodeau, Dr. Jinny Rhee (Faculty Advisor), Paramjeet Nagpal

Come check us out! www.engr.sjsu.edu/cpmt

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