

VIII – INTERNATIONAL ACTIVITIES

This section gives an overview of international activities to which participated recently the members of CMP.

Participation to Committees for Conferences and Workshops

- **Asia Symposium on Quality Electronic Design (ASQED):**
2010 (Penang, Malaysia), 2011 (Kuala Lumpur, Malaysia)
- **Asian Test Symposium (ATS):**
1992 (Hiroshima), 1993 (Beijing), 1994 (Osaka), 1995 (Bangalore) 1996 (Taipei)
- **Asia Pacific Symposium on Microelectronics and MEMS (MICRO/MEMS):**
2001 (Adelaide)
- **Built-in Self-Test Workshop (BIST):**
1984-1993 (Charleston), 1994-1996 with DFT
- **COMPEURO:**
1991 (Bologna), 1992 (The Hague)
- **Design and Diagnostics of Electronic Circuits and Systems Workshop (DDECS):**
1997 (Bratislava), 1998 (Szczyrk), 1999 (Bratislava), 2001 (Győr)
- **Design Automation and Test in Europe Conference (DATE):**
1998 (Paris), 1999 (Munich), 2000 (Paris), 2001 (Munich), 2002 (Paris), 2003 (Munich), 2004 (Paris), 2005 (Munich), 2006 (Munich), 2007 (Nice), 2008 (Munich), 2009 (Nice), 2010 (Dresden), 2011 (Grenoble)
- **Design for Testability Workshop (DFT):**
1991-1992 (Vail), 1994-1996 with BIST
- **Design and Test of Defect and Fault Tolerant Nanoscale Architectures Workshop (DTDFDNA):**
2005 (Palm Springs)
- **Electron and Optical Beam Testing of Integrated Circuits (EOBT):**
1987 (Grenoble), 1989 (Duisburg), 1991 (Como), 1993 (Zurich), 1995 (Wuppertal)
- **Electronics Packaging Technology Conference (EPTC):**
2003-2010 (Singapore)
- **EUROMICRO:**
1991 (Vienna), 1992 (Paris)
- **European Conference on Design Automation (EDAC):**
1990 (Glasgow), 1991 (Amsterdam), 1992 (Brussels)
- **European Conference on Design Automation/EUROASIC (EDAC-EUROASIC):**
1993 (Paris), 1994 (Paris)
- **European Design and Test Conference (ED&TC):**
1995-1997 (Paris)
- **European Design for Testability Workshop (E-DFT):**
1990 (Segovia), 1992 (Brugge), 1996 (Montpellier), 1998 (Sitges)
- **European Solid-State Circuits Conference (ESSCIRC):**
1986 (Delft), 1990 (Grenoble), 1995 (Lille), 1997 (Southampton), 2002 (Florence), 2003 (Lisbon)
- **European Test Conference (ETC):**
1989 (Paris), 1991 (Muenchen), 1993 (Rotterdam)
- **European Workshop on Dependable Computing (EWDC):**
1989 (Toulouse)
- **European Workshop on Microelectronics Education (EWME):**
1996 (Grenoble); 1998 (Noordwijkerhout) 2000 (Aix en Provence); 2002 (Barcelona); 2004 (Lausanne); 2006 (Stockholm); 2008 (Budapest); 2010 (Darmstadt)

- **Fault-Tolerant Computing Symposium (FTCS):**
1983 (Milano), 1988 (Tokyo), 1989 (Chicago), 1990 (Newcastle upon Tyne), 1991 (Montreal), 1992 (Boston), 1993 (Toulouse), 1994 (Austin), 1995 (Los Angeles), 1999 (Madison)
- **High Level Design Validation and Test Workshop (HLDVT):**
1996-2000 (Oakland), 2001 (San Diego), 2002 (Cannes), 2003 (San Francisco), 2004 (Sonoma), 2005 (Napa Valley), 2006 (Monterey), 2007 (Irvine), 2008 (Lake Tahoe), 2009 (San Francisco), 2010 (Anaheim), 2011 (Napa)
- **IC/Package Design Integration (IPDI):**
1998-1999 (Santa Cruz)
- **IEEE Conference on Nanotechnology (NANO):**
2001 (Maui), 2002 (Washington), 2004 (Munich)
- **IEEE Great Lakes Symposium on VLSI (GLSVLSI):**
1999 (Ann Arbor), 2000 (Chicago)
- **IEEE International Conference on Electronics, Circuits and Systems (ICECS):**
1998 (Lisbon), 2000 (Kaslik), 2001 (Malta), 2003 (Bratislava), 2006 (Nice), 2007 (Marrakech)
- **IEEE International Design and Test Workshop (IDT):**
2010 (Abu Dhabi)
- **IEEE International Workshop on Design, Test and Applications:**
1998-1999 (Dubrovnik)
- **IEEE International Workshop on IDDQ Testing:**
1995-1997 (Washington)
- **IEEE International Workshop on Testing Embedded Core-based Systems (TECS):**
1997 (Washington), 1999 (Dana Point)
- **IEEE Symposium on Quality of Electronic Design (ISQED):**
2000-2011 (San Jose)
- **IEEE Multi-Chip Module Conference (MCMC):**
1995-1997 (Santa Cruz)
- **IEEE Mixed-Signal Testing Workshop (IMST):**
1996 (Quebec), 1997 (Seattle), 1998 (Twente), 2000 (Montpellier), 2001 (Atlanta), 2002 (Montreux), 2003 (Séville), 2004 (Portland), 2005 (Cannes), 2006 (Edinburgh), 2007 (Porto), 2008 (Vancouver), 2009 (Scottsdale), 2010 (Montpellier), 2011 (Santa Barbara)
- **IEEE VLSI Test Symposium (VTS):**
1991-1993 (Atlantic City), 1994 (Cherry Hill), 1995-1996 (Atlantic City), 1997-1998 (Monterey), 1999 (Dana Point), 2000 (Montreal), 2001 (Los Angeles), 2002 (Napa Valley), 2003 (Napa Valley), 2004 (Napa Valley), 2005 (Palm Springs), 2006 (Oakland), 2007 (Berkeley), 2008 (San Diego), 2009 (Santa Cruz), 2010 (Santa Cruz), 2011 (Dana Point)
- **IEEE Northeast Workshop on Circuits and Systems (NEWCAS):**
2005 (Quebec City), 2006 (Gatineau)
- **IEEE-CPMT Conference on Electronics System Integration and Technology (ESTC):**
2006 (Dresden), 2008 (London)
- **IFIP TC10 Conference « Design Methodologies for VLSI and Computer Architecture »:**
1988 (Pisa)
- **IFIP International Conference on Very Large Scale Integration (VLSI-SOC):**
2003 (Darmstadt), 2005 (Perth), 2006 (Nice)
- **International Conference on ASIC (ASICOM):**
1996 (Shanghai), 1998 (Beijing), 2001 (Shanghai)
- **International Conference on Biomedical Electronics and Devices (BIODEVICES):**
2011 (Rome)
- **International Conference on Computer-Aided Design (ICCAD):**
1991-1993 (Santa Clara), 1994 (San Jose), 1995 (Santa Clara), 1996-1998 (San Jose), 2002 (San Jose),

2003 (San Jose), 2004 (San Jose)

- **International Conference On Computers and Information Technology (ICCIT):**
1998, 2001 (Dhaka)
- **International Conference on Computer Design (ICCD):**
1987 (New-York), 2008 (Lake Tahoe)
- **International Conference on Microelectronics (ICM):**
1991 (Cairo), 1992 (Monastir), 1993 (Dahran)
- **International Conference on Microelectronic Systems Education (MSE):**
1997 (Arlington), 1999 (Arlington), 2001 (Las Vegas), 2005 (Anaheim), 2007 (San Diego), 2009 (San Francisco), 2011 (Anaheim)
- **International Conference on Modeling and Simulation of Microsystems, Semiconductors, Sensors and Actuators (MSM):**
1998 (Santa Clara), 1999 (Puerto Rico), 2000 (San Diego), 2001 (Savannah), 2002 (Puerto Rico), 2003 (San Francisco), 2004 (Boston)
- **International Conference on MEMS and Nanotechnology (ICMN):**
2006 (Kuala Lumpur), 2008 (Kuala Lumpur)
- **International Workshop on Field Programmable Logic and Applications (FPL):**
1997 (London), 1998 (Tallinn), 1999 (Glasgow), 2000 (Villach)
- **International Workshop on FPGAs and Applications:**
1992 (Vienna), 1994 (Prague), 1996 (Darmstadt)
- **INTERPACK Conference:**
1997 (Mauna Lani), 1999 (Maui), 2001 (Kauai), 2003 (Maui)
- **Intersociety Conference on Thermal and Thermomechanical Phenomena in Electronic Systems (ITHERM):**
2000 (Las Vegas), 2002 (San Diego), 2004 (Las Vegas), 2006 (San Diego), 2008 (Lake Buena Vista), 2010 (Las Vegas)
- **Low Dimensional Structures and Devices (LDSD):**
1995 (Singapore), 1997 (Lisbon)
- **MCM Test:**
1995-2000 (Napa Valley)
- **Memory Testing (MTDT):**
1993-1995 (San Jose), 1996 (Singapore), 1997-2001 (San Jose), 2002 (Bandol)
- **Microelectronics: Design, Technology & Packaging:**
2003 (Perth)
- **MICRO SYSTEM Technologies:**
1998 (Postdam), 2003 (Munich)
- **Optical Microsystems Conference (O μ S):**
2005 (Capri)
- **Pan Pacific Microelectronics Symposium (SMTA):**
2011 (Big Island of Hawaii)
- **Rapid System Prototyping Workshop (RSP):**
1990 - 1993 (Raleigh), 1994 (Grenoble)
- **Reconfigurable Architectures Workshop (RAW):**
1997 (Geneva), 1998 (Orlando), 1999 (Puerto Rico)
- **Sciences of Electronic, Technologies of Information and Telecommunications (SETIT):**
2005 (Susa)
- **Signal Propagation on Interconnects (SPI):**
1997-1998 (Travemünde)
- **Smart Electronics & MEMS Conference:**
2000 (Melbourne)

- **Smart Systems Integration:**
2009 (Brussels) ; 2010 (Como); 2011 (Dresden)
- **SPIE Conference on Micromachining and Microfabrication:**
1996-1997 (Austin)
- **SPIE Conference on Smart Structures, Devices, and Systems:**
2002 (Melbourne), 2004 (Sydney), 2006 (Adelaide)
- **Southwest Symposium on Mixed-Signal Design (SSMSD):**
1999 (Tucson), 2000 (San Diego), 2003 (Las Vegas)
- **Symposium on Integrated Circuits and Systems Design (SBCCI):**
2001 (Brasilia), 2002 (Porto Alegre) 2004 (Porto de Galinhas), 2005 (Florianopolis), 2006 (Ouro Preto),
2008 (Gramado)
- **VLSI Design (VLSI):**
1991 (New Dehli), 1992 (Bangalore), 1993 (Bombay), 1994 (Calcutta), 1995 (New Delhi), 1996
(Bangalore), 1997 (Hyderabad), 1998 (Madras), 1999 (Goa), 2000 (Calcutta), 2001 (Bangalore), 2003
(New Delhi), 2004 (Mumbai), 2008 (Hyderabad), 2009 (New Delhi)
- **Workshop France-Brazil:**
1992 (Paris), 1996 (Rio de Janeiro)
- **Workshop on Modelling and Simulation of Electron Devices (MSED):**
2005 (Pisa)
- **International MEMS Conference (iMEMS):**
2006 (Singapore)

European representation (or liaison) to Conferences and Workshops

- Built-In-Self-Test Workshop (several issues)
- Asian Test Symposium (several issues)
- High-Level Design Validation and Test Workshop (several issues)
- VLSI Design (several issues)
- MCM Conference (several issues)
- IC/Design Package Integration (1998)
- INTERPACK (1999, 2001, 2003)
- Memory Technology, Design and Testing (several issues)
- International Workshop on System Test and Diagnosis (1998)
- ICCAD (1996-1997)
- DAC (1998-2001, 2002-2004)
- ITherm (2000, 2002, 2004, 2008, 2010)
- Steering Committee Member of the SASIMI Workshops (Japan)
- IEEE-NANO (2002)
- Steering Committee Member of the HLDVT Workshops (USA)
- Chairman of the European Workshop on Microelectronics Education (EWME)
- Steering Committee Member of ISQED, 2000-2006
- Advisory Board Member of EPTC (2005, 2006)

Participation to Editorial Boards of Journals

- IEEE Design and Test of Computers Magazine
- Computational Mechanics Publications
- Microelectronics Journal (Editor-in-Chief)
- ASME Journal of Electronic Packaging (Associate Editor)
- IEEE Transactions on Components and Packaging Technologies (Associate Editor)
- IEEE Transactions on VLSI (Associate Editor)
- International Review on computers and Software (IRECOS)
- VLSI Design (Editor-in-Chief)
- JETTA - Journal of Electronic Testing : Theory and Applications
- CDTA
- Journal of Microelectronic Systems Integration
- Journal of The Brazilian Microelectronics Society
- IEEE Press Book Series
- Studia Informatica Journal
- Micromachines Journal

Organisation of Conferences

- Asia Pacific Symposium on Microelectronics and MEMS (MICRO/MEMS):
1999 (Gold Coast, Characterisation and Test Conference co-Chair)
- Colloque CAO de circuits intégrés et systèmes:
1996 (Grenoble – Villard de Lans, Organizer); 1999 (Aix en Provence, Organizer)
- Design, Test and Microfabrication of MEMS/MOEMS (DTM):
1999 (Paris, General Chair)
- Design, Test, Integration and Packaging of MEMS/MOEMS (DTIP):
2000 (Paris, General Chair); 2001 (Cannes, General Chair); 2002 (Cannes, General Chair); 2003 (Cannes, General Chair); 2004 (Montreux, General Chair); 2005 (Montreux, General Chair), 2006 (Stresa, Lago Maggiore, General Chair), 2007 (Stresa, Lago Maggiore, General Chair), 2008 (Nice, General Chair), 2009 (Rome, General Chair), 2010 (Sevilla, General Chair), 2011 (Aix en Provence, General Chair)
- Electron and Optical Beam Testing of Integrated Circuits (EOBT):
1987 (Grenoble, General Chair); 1989 (Duisburg, Program Chair); 1991 (Como, Program Chair); 1993 (Zurich, Program Chair); 1995 (Wuppertaal, Program Chair)
- EUROCHIP Workshop on VLSI Design Training (General Chair) (EUROCHIP):
1991-1992 (Grenoble); 1993 (Toledo); 1994 (Dresden)
- European Conference on Design Automation / EUROASIC (EDAC-EUROASIC):
1993 (Paris, General Chair)
- European Conference on Design Automation / European Test Conference / EUROASIC (ED&TC):
1994 (Paris, Program Co-Chair)
- European Micro and Nano System (EMN):
2004 (Paris, Scientific Committee Chair)
- European Nano System (ENS):
2005 (Paris, Chair); 2006 (Paris, Chair); 2007 (Paris, Chair); 2008 (Paris, Chair)
- European Workshop on Microelectronics Education (EWME):
1996 (Grenoble, Co-Program Chair); 2000 (Aix en Provence, Co-Organizer); 2008 (Chair of the Steering Committee); 2008 (Chair of the Steering Committee); 2010 (Chair of the Steering Committee); 2012 (Grenoble, General Chair)
- IEEE Mixed-Signal Testing Workshop (IMS3TW):
1995 (Grenoble, General Chair), 2009 (Scottsdale, General Co-Chair)
- International Conference on Compilers Asian Green Electronics – Design for Manufacturability and Reliability (AGEC):
2005 (Pudong, China, General Chair)
- International Conference on Polymers and Adhesives in Microelectronics and Photonics (POLYTRONIC):
2003 (Montreux, General Chair)
- International Symposium on Microelectronics and Assembly (ISMA):
2000 (Singapore, Program Chair)
- Memory Technology; Design and Testing (MTDT):
2001 (San José, Co-General Chair); 2002 (Isle of Bendor, General Chair)
- Modeling and Simulation of Microsystems; Semiconductors; Sensors and Actuators (MSM):
1999 (Puerto Rico, Co-Chair)
- Rapid System Prototyping Workshop (RSP):
1994 (Grenoble, General Chair)
- Thermal Challenges in Next Generation Electronic Systems (THERMES):
2002 (Santa Fe, Program Co-Chair); 2007 (Santa Fe, Conference Co-Chair)
- Thermal Issues in Emerging Technologies – Theory and Applications (THETA):
2007 (Cairo), 2008 (Cairo)
- Thermo-mechanical issues in Packaging and Assembly of MEMS and MOEMS; part of Photonics Fabrication Europe:

2002 (Brugges, Conference Chair)

- Workshop on Thermal Investigations in ICs and Systems (THERMINIC): 1995 (Grenoble, General Chair); 1996 (Budapest, General Chair); 1997-1998 (Cannes, General Chair); 1999 (Rome, General Chair); 2000 (Budapest, General Chair); 2001 (Paris, General Chair); 2002 (Madrid, General Chair); 2003 (Aix-en-Provence, General Chair); 2004 (Sofia-Antipolis, Côte d'Azur, France, General Chair); 2005 (Montreux, General Chair); 2006 (Nice, General Chair); 2007 (Budapest, General Chair), 2008 (Rome, General Chair), 2009 (Leuven, General Chair), 2010 (Barcelona, General Chair); 2011 (Paris, General Chair)

Participation to Societies and Working Groups

- Member of IEEE/CS, IEEE/CPMT, ACM, IMAPS
- Member of IEEE European Test Technology Technical Committee
- Chairman of the European Design and Automation Association (1994-1995, 2006-2007, 2008-2009)
- Chair of Thermal Testing Activities of the IEEE Test Technology Technical Committee
- Member of the IEEE/TTTC Awards Committee - for lifetime contribution

Others activities

- Review of papers for numerous Journals and Conferences
- Review of research proposals for CEC, NSF, NATO, SERC, NRF
- Member of the STMicroelectronics Technology Council
- Evaluation for nomination of Professors in USA, Canada, Germany
- Evaluation of Canada Research Chairs
- Advisory Board Member of SUNRISE Cie, Sunnyvale, USA
- EUROPACE Course on VLSI Technology
- Vice-President for Analog and Mixed Testing Activities of IEEE TTTC
- President for Thermal Testing Activities of IEEE TTTC
- Member of MEMSCAP Technology Advisory Board
- Participation to the founding of MEMSCAP, AREXSYS, iROC Technologies, NanoSprint

Awards and distinctions

- IEEE Meritorious service awards (1993)
- Doctor Honoris Causa of the Technical University of Budapest (1994)
- IEEE certificate of appreciation (1995, 1996, 2000)
- IEEE Computer Society's Golden Core member (1996)
- CMP Design Contest Award – Integrated Circuits – at DATE (2001)
- Best Paper in Session SEMICON WEST (2004)
- ISQED Prestigious Honorary Fellow Award (2007)
- NSTI Fellow Award (2007)
- DATE Fellow 2010 for Outstanding Performance Servicing DATE



Bernard COURTOIS is conducting the sake barrel break of Kagamiwari; a sake ceremony after an address at the SASIMI Workshop (Tohoku: 1998)



Bernard COURTOIS is being awarded Doctor Honoris Causa of the Technical University of Budapest



Later, the President of INPG, Maurice RENAUD, congratulates him by remitting a sash, made to the colors of the city of Budapest



R. BIANCHI congratulated at the end of his thesis defense by Mr. E. DONZIER from Schlumberger, R. BIANCHI has been awarded by Schlumberger for his results on the design of high temperature circuits systems



Bernard COURTOIS is being awarded by NSTI, Bart Romanowicz, for his contributions towards the advancement of the International NSTI Nanotechnology, Microtechnology and Biotechnology Community



Bernard Courtois organized a panel Microelectronics "Infrastructures for Education and Research (Industry): what is still missing?" at DTIS'08 in Tozeur.



After a panel on "Microelectronics Infrastructures for Education and Research (Industry): what is still missing?" chaired by Bernard COURTOIS at DTIS in Tozeur in 2008, the discussions continued in the desert.



Bernard COURTOIS at Bahrain Embassy (Paris)



Bernard COURTOIS presents a Best Paper Award at ISQED 2010