IX - PUBLICATIONS

Books and magazines are authorized by the member of CMP.

Books and magazines

2009

COURTOIS B., Guest Editor
Special issue on European Micro and Nano Systems (ENS 2007) held in Paris, 3-4 December 2007,
Microelectronics Journal, Vol. 40, No. 4-5, Pages 655-710, April-May 2009

COURTOIS B. et al, Editors
Proceedings of Symposium on Design, Test, Integration and Packaging of MEMS/MOEMS (DTIP 2009),

BEN-TEKAYA R., BAGANNE A., TORKI K., TOURKI R.
Performance Evaluation of MIC@R NoC for Real-Time Applications
International Journal of Computer Aided Engineering and Technology, IJCAET
To appear in special issue Smart Homes theme, 2009.

ZAIDI M., OUNI R., TORKI K., TOURKI R.
Low Power ASIC Designs For Fast Handoff In IEEE802.11

2008

MALEK J., SEBRI A., MABROUK S., TORKI K., TOURKI R.
Automated Breast Cancer Diagnosis Based on GVF-Snake Segmentation, Wavelet Features Extraction and Fuzzy Classification

ATRI M., SALAH Y., TORKI K., TOURKI R.
Design of a Scalable 2D Mesh-Torus Router for Network on Chip
IJCSES, International Journal of Computer Sciences and Engineering Systems, pp 5-12, Vol.2 No 1, 2008,
ISSN 0973-4406

COURTOIS B. et al, Editors
Proceedings of Symposium on Design, Test, Integration and Packaging of MEMS/MOEMS (DTIP 2008),
Nice, French Riviera, France, April 9-11, 2008

COURTOIS B., RENCZ M.*, LASANCE C.**, SZEKELY V.***, Editors
Proceedings of 12th International Workshop on THERmal Investigations of ICs and Systems (THERMINIC’08),
Rome, Italy, September 24-26, 2008

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* MicRed Microelectronics Res & Dev Ltd., Hungary; ** Philips, The Netherlands; *** Budapest University of Technology and Economics, Hungary

COURTOIS B., Guest Editor

2007


COURTOIS B. et al., Editors
Proceedings of Symposium on Design, Test, Integration and Packaging of MEMS/MOEMS (DTIP 2007),
Stresa, Italy, 25-27 April 2007
COURTOIS B., RENCZ M.*, LASANCE C.**, SZEKELY V.***, Editors
Proceedings of 12th International Workshop on THERmal Investigations of ICs and Systems (THERMINIC’07), Budapest, Hungary, September 17-19, 2007

* MicRed Microelectronics Res & Dev Ltd., Hungary; ** Philips, The Netherlands; *** Budapest University of Technology and Economics, Hungary

2006

COURTOIS B., MARKUS K.* et al., Editors
Proceedings of Symposium on Design, Test, Integration and Packaging of MEMS/MOEMS (DTIP 2006), Stresa, Italy, 26-28 April 2006

COURTOIS B., RENCZ M.*, LASANCE C.**, SZEKELY V.***, Editors
Proceedings of 12th International Workshop on THERmal Investigations of ICs and Systems (THERMINIC’06), Nice, Côte d’Azur, France, September 27-29, 2006

* MicRed Microelectronics Res & Dev Ltd., Hungary; ** Philips, The Netherlands; *** Budapest University of Technology and Economics, Hungary

2005

COURTOIS B., MARKUS K.* et al., Editors
Proceedings of Symposium on Design, Test, Integration and Packaging of MEMS/MOEMS (DTIP 2005), Montreux, Switzerland, June 1-3, 2005

COURTOIS B., RENCZ M.*, LASANCE C.**, SZEKELY V.***, Editors
Proceedings of 11th International Workshop on THERmal Investigations of ICs and Systems (THERMINIC’05), Belgirate, Lake Maggiore, Italy, September 27–30, 2005

* MicRed Microelectronics Res & Dev Ltd., Hungary; ** Philips, The Netherlands; *** Budapest University of Technology and Economics, Hungary

COURTOIS B., Guest Editor
Special issue on European Micro and Nano Systems (EMN04) held in Paris, 20–21 October, 2004

COURTOIS B., Guest Editor
Special Issue on selected papers on Symposium on Design, Test, Integration and Packaging of MEMS/MOEMS (DTIP 2004)

DE VENUTO D.*, COURTOIS B., Editors

* Politecnino di Bari, Italy

ROMAN C., CIONTU F., COURTOIS B.
Nanoscopic modeling of a carbon nanotube force-measuring biosensors

HERVE C., DZAHINI D., LE CAËR T., RICHER J.-P., TORKI K.
BiCMOS amplifier–discriminator integrated circuit for gas-filled detector readout

BADROUCHI S., ZITOUNI A., TORKI K., TOURKI R.
Asynchronous NoC Router

FAIEDH H., SOUANI C., TORKI K., BESBES K.
Digital Hardware Implementation of a Neural System Used for Nonlinear Adaptive Prediction
Conferences and Workshops

2010

COURTOIS B.
Energy management: how electronics can help?
International Multi-Conference on Complexity, Informatics and Cybernetics (IMCIC), April 6-9 2010, Orlando, USA

COURTOIS B.
ICs and MEMS for energy management
Keynote at 11th IEEE Latin-American Test Workshop (LATW), March 28-31 2010, Punta del Este, Uruguay

COURTOIS B.
Gestion de l'énergie par les composants
Invited speaker at Journée d'étude « Les SEC se mettent au vert »
March 4 2010 – Université Paul Sabatier, Toulouse, France

2009

COURTOIS B.
CMP Service: BioMed applications
12th International Symposium on Integrated Circuits (ISIC), December 14-16 2009, Singapore

COURTOIS B.
SOC/SIP for energy management
Invited paper, International SoC Design Conference (ISOCC), November 22-24 2009, Busan, Korea

COURTOIS B., TORKI K., DUMONT S., EYRAUD S., PAILLOTIN J-F, DI PENDINA G.
Infrastructures for Education and Research: from National Initiatives to global operations
The 13th World Multi-Conference on Systemics, Cybernetics and Informatics (WMSCI), July 10-13 2009, Orlando, USA

COURTOIS B.
Prototyping custom circuits and systems: 20 years back, X years forward.
Keynote in 20th IEEE/IFIP International Symposium on Rapid System Prototyping (RSP’09), June 22-26 2009, Paris, France

COURTOIS B.
Infrastructures for Education and Research: from National initiatives to global operations and from EE&CS communities to other communities and key applications
Keynote in 4th IEEE International Conference on Design & Technology of Integrated Systems in Nanoscale Era (DTIS), April 6-7 2009, Cairo, Egypt

BEN-TEKAYA R., BAGANNE A., TORKI K., TOURKI R.
Performance Evaluation of MIC@R NoC for Real-Time applications
4th IEEE International Conference on Design & Technology of Integrated Systems in Nanoscale Era (DTIS), April 6-7 2009, Cairo, Egypt

NICOLAIDIS M., TORKI K., NATALI F., BELHADDAD K., ALEXANDRESCU D.
Implementation and Validation of a Low-Cost Single-Event Latchup Mitigation Scheme

COURTOIS B.
CMP Service: past, present, future
Invited paper in 15th Workshop on Synthesis and System Integration of Mixed Information technologies (SASIMI), March 9-10 2009, Okinawa, Japan

COURTOIS B.
Infrastructures services like CMP: where should they be heading?
Invited talk in CMOS Emerging Technologies Workshop, February 18-20 2009, Banff, Canada

COURTOIS B., TORKI K., DUMONT S., EYRAUD S., PAILLOTIN J-F., DI PENDINA G.
Infrastructures for Education, Research and Industry in Microelectronics - a look worldwide and a look at India
22nd International Conference on VLSI Design, 5-9 January 2009, New-Delhi, India

2008

COURTOIS B.
Integrated Circuit Brokers: Where do they come from? Where are they heading?
Keynote in IEEE International Conference on Microelectronics (ICM'08), December 14-17, 2008 in Sharjah, UAE

BEN-TEKAYA R., BAGANNE A., TORKI K., TOURKI R.
Performance Evaluation of MIC@R Router for On-Chip Networks
IDT'08, December 20-22 2008, Monastir, Tunisia.

COURTOIS B., CHARLOT B.*, DI PENDINA G., RUFER L.**
Electronics Manufacturing Infrastructures for Education and Commercialization
*IES/MITEA, Montpellier – France, **TIMA, Grenoble – France

COURTOIS B., CHARLOT B.*, DI PENDINA G., RUFER L.**
Infrastructures for Education, Research and Industry: CMOS and MEMS for BioMed
Invited paper at the 12th World Multi-Conference or Systemics, Cybernetics and Informatics (WMSCI 2008), Orlando USA, 29 June – 2 July 2008
*IES/MITEA, Montpellier - France, **TIMA, Grenoble – France

COURTOIS B., CHARLOT B.*, DI PENDINA G., RUFER L.**
Infrastructures for mixed signals in biology and medicine
14th IEEE International Mixed-Signals, sensors, and systems Test Workshop (IMS3TW 2008), Vancouver,Canada, 18-20 June 2008
*IES/MITEA, Montpellier - France
**TIMA, Grenoble - France

COURTOIS B., EYRAUD S., PAILLOTIN J-F., DI PENDINA G., TORKI K.
Infrastructures for Education, Research and Industry in Microelectronics
7th European Workshop on Microelectronics Education (EWME 2008), Budapest (Hungary) 28-30 May 2008

COURTOIS B.
Infrastructures for Education, Research and Industry in ICs and MEMS

COURTOIS B., TORKI K., DUMONT S., EYRAUD S., PAILLOTIN J-F., DI PENDINA G.
Infrastructures for Education, Research and Industry in Microelectronics
14th IEEE Mediterranean Electrotechnical Conference (MELECON 2008), Ajaccio (France), 5-7 May 2008.

2007

TORKI K.
CMP, Infrastructures for Microelectronics & MEMS

COURTOIS B., TORKI K., COLIN S., DELORI H., EYRAUD S., PAILLOTIN J.-F., DI PENDINA G., DUMONT S.
Infrastructures for Education, Research and Industry in Microelectronics – Recent Developments.

BHAR J., OUNI R., TORKI K., NASRI S.
Handover Strategies Challenges in Wireless ATM Networks
2006

SZABO P.*, POPPE A. *,**, FARKAS G.*, SZEKELY V.**, RENCZ M. **, COURTOIS B.
Thermal characterization and compact modeling of stacked die packages
International Conference on Thermal and Thermomechanical Phenomena in Electronic Systems (ITherm’06), San Diego, California, USA, May 30 – June 2, 2006
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* MicRed Microelectronics Res & Dev Ltd., Hungary; ** Budapest University of Technology and Economics, Hungary;

SZABO P.*,**, NEMETH B.*, RENCZ M. *,**, COURTOIS B.
Characterization of the etching quality in micro-electro-mechanical systems by thermal transient methodology
Symposium on Design, Test, Integration and Packaging of MEMS/MOEMS (DTIP’06), Stresa, Italy, April 26-28, 2006
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* Budapest University of Technology and Economics, Hungary; ** MicRed Microelectronics Res & Dev Ltd., Hungary

RENCZ M. *,**, SZABO P.*,**, POPPE A. *,**, COURTOIS B.
Thermal testing and dynamic modeling of multiple die packages
International Conference on Thermal and Thermomechanical Phenomena in Electronic Systems (ITherm’06), San Diego, California, USA, May 30 – June 2, 2006
---------
* Budapest University of Technology and Economics, Hungary; ** MicRed Microelectronics Res & Dev Ltd., Hungary

2005

TORKI K., COURTOIS B.
CMP service for prototyping and low volume production

SZABO P.*, RENCZ M.*, SZEKELY V.**, POPPE A.*, FARKAS G.*, COURTOIS B.
Thermal modeling of multiple die packages
7th Electronics Packaging Technology Conference (EPTC’05), Singapore, December 7-9, 2005
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* MicRed Microelectronics Res & Dev Ltd., Hungary; ** Budapest University of Technology and Economics, Hungary

SZABO P.*,**, SZEKELY V.*, POPPE A. *,**, FARKAS G.**, COURTOIS B., RENCZ M. *,**
Thermal characterization and modeling of stacked die packages
Technical Conference and Exhibition on Integration and Packaging of Micro, Nano and Electronic Systems (InterPACK 2005), San Francisco, Ca., USA, July 17-22, 2005
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* Budapest University of Technology and Economics, Hungary; ** MicRed Microelectronics Res & Dev Ltd., Hungary

Thermo-mechanical characterization and integrity checking of packages and movable-structures
Nanotechnology Conference and Trade Show (NANOTECH’05), Anaheim, California, USA,
ROMAN C., CIONTU F., COURTOIS B.
A framework for computing transport properties of carbon nanotube-based conductance biochemical sensors
European Nano Systems (ENS’05), Paris, Rance, 14-16 December 2005

ROMAN C., CIONTU F., COURTOIS B.
Electronic properties of graphitic surfaces with absorbed aromatic amine acids
Nanotechnology Conference and TradeShow (NanoTech’05), Anaheim, California, U.S.A.,
March 8-12, 2005

COURTOIS B., RENCZ M.*
Thermal modeling of multiple die packages
7th Electronics Packaging Technology Conference (EPTC’05), Singapore, December 7-9, 2005

* MicRed Microelectronics Res & Dev Ltd., Hungary