



## EWME 2014

## CALL FOR PAPERS

MAY 14-16, 2014. TALLINN, ESTONIA



## Steering Committee

B. Al-Hashimi	UK
K. Asada	Japan
B. Courtois ( <i>chair</i> )	France
D. Del Corso	Italy
D. Donoval	Slovakia
G. Gielen	Belgium
M. Glesner	Germany
A. Ionescu	Switzerland
G. Jervan	Estonia
M. C. Johnson	USA
A. Osseiran	Australia
M. Rencz	Hungary

## Program Committee

G. Jervan ( <i>chair</i> )	Estonia
L. Torres	France
L. Anghel	France
W. Kuzmicz	Poland
A. Bermak	HK
A. Rucinski	USA
E. Sicard	France
K. Jeppson	Sweden
J. Nurmi	Finland
C-L. Wey	Taiwan
Z. Navabi	Iran
J. Nestor	USA
A-K. Jones	USA
K. Cho	Korea
M. Berekovic	Germany
P. Girard	France
M. Sonza Reorda	Italy
V. Pavlidis	UK

## Local Committee

*(Tallinn University of Technology)*

P. Ellervee  
T. Hollstein  
M. Jenihhin  
G. Jervan  
A. Jutman  
H. Kruus (*chair*)  
J. Raik  
R. Ubar

## Contact

[www.ati.ttu.ee/ewme2014](http://www.ati.ttu.ee/ewme2014)  
[ewme2014@ati.ttu.ee](mailto:ewme2014@ati.ttu.ee)

**EWME 2014** is the tenth Workshop on microelectronics education to take place in Europe. The previous ones were held in Grenoble (1996, 2012), Noordwijkerhout (1998), Aix-en-Provence (2000), Vigo (2002), Lausanne (2004), Stockholm (2006), Budapest (2008), and Darmstadt (2010). **EWME** is held every second year in Europe, while **MSE** (Microelectronic Systems Education) is held every other year in the USA.

**EWME 2014** will take place in Tallinn whose medieval Old Town is known around the world for its well-preserved completeness and authentic Hanseatic architecture. Enchanting atmosphere, rich cultural scene, beautiful surroundings and plenty of galleries, cafes and restaurants to choose from: there is something for everyone in Tallinn. EWME 2014 is organized by the Department of Computer Engineering of Tallinn University of Technology.

The proceedings of EWME 2014 will be published in IEEEXplore (pending).

The purpose of the workshop is to provide a forum to exchange ideas and to discuss developments and challenges in research and education on microelectronics, microsystems and related areas. Topics of interest include (but are not limited to):

- Industrial outlook and projects
- Microelectronics teaching in the future
- Emerging fields in design and technology
- New concepts in teaching
- Multimedia in microelectronics education
- Globalization and international education
- Design and technological innovations
- Effects of the Bologna Process on microelectronics education in Europe
- Long-distance and continuous microelectronics education
- Novel curricula on micro- / nanoelectronics education
- Novel courses, laboratories and design projects
- Industry-university collaboration on education
- Entrepreneurship in micro- and nanoelectronics
- Industrial roadmaps and microelectronics education
- Exchange programs (compatibility of curricula, ...)
- Multi- and many-core embedded systems and software in new curricula
- MOOCs: Massive Open Online Courses and microelectronics education

## Special Session "VLSI Design Education in the 21st Century"

The special session "VLSI Engineering Education in the 21st Century", will explore innovative approaches to the current VLSI curriculum, which is supposed to render it fully up-to-date and to prepare the next generation of engineers satisfying the modern requirements. *Turn for more!*

## Important Dates

Submission deadline (extended): **February 22, 2014**  
Notification of acceptance: March 15, 2014  
Camera-ready deadline: April 5, 2014



## Submissions:

Authors are invited to submit original papers which contain at least two pages and at most six pages in standard IEEE two-column format; full paper submissions are preferred. Contributions have to be submitted electronically through the workshop website at

[www.ati.ttu.ee/ewme2014](http://www.ati.ttu.ee/ewme2014)



## EWME 2014

## CALL FOR PAPERS

MAY 14-16, 2014. TALLINN, ESTONIA



## Steering Committee

B. Al-Hashimi	UK
K. Asada	Japan
B. Courtois ( <i>chair</i> )	France
D. Del Corso	Italy
D. Donoval	Slovakia
G. Gielen	Belgium
M. Glesner	Germany
A. Ionescu	Switzerland
G. Jervan	Estonia
M. C. Johnson	USA
A. Osseiran	Australia
M. Rencz	Hungary

## Program Committee

G. Jervan ( <i>chair</i> )	Estonia
L. Torres	France
L. Anghel	France
W. Kuzmicz	Poland
A. Bermak	HK
A. Rucinski	USA
E. Sicard	France
K. Jeppson	Sweden
J. Nurmi	Finland
C-L. Wey	Taiwan
Z. Navabi	Iran
J. Nestor	USA
A-K. Jones	USA
K. Cho	Korea
M. Berekovic	Germany
P. Girard	France
M. Sonza Reorda	Italy
V. Pavlidis	UK

## Local Committee

*(Tallinn University of Technology)*

P. Ellervee  
T. Hollstein  
M. Jenihhin  
G. Jervan  
A. Jutman  
H. Kruus (*chair*)  
J. Raik  
R. Ubar

## Contact

[www.ati.ttu.ee/ewme2014](http://www.ati.ttu.ee/ewme2014)[ewme2014@ati.ttu.ee](mailto:ewme2014@ati.ttu.ee)

## Special Session about VLSI Design Education in the 21st Century

VLSI Design education is on demand today. However, a number of critical drawbacks in the contemporary VLSI Design education must be overcome. The following problems are among them:

- 1) The VLSI industry requires engineers to be innovative, entrepreneurial, collaborative, and able to work globally - while there are no educational programs that prepare students to meet these new requirements.
- 2) The current VLSI curriculum absorbs more and more industry oriented and intensively changing topics of the VLSI design - while traditional fundamental and theoretical subjects of the curriculum lose their popularity and even disappear from the curriculum.
- 3) Nowadays, an engineering student is a networked student accustomed to resources and tools of the new digital reality; such a student has a difficulty to study any engineering curriculum in its traditional form. Moreover, in the new conditions, a traditional role of an engineering teacher as the main content provider also becomes questionable.

The special session "VLSI Engineering Education in the 21st Century", devoted to the above problems, will explore innovative approaches to the current VLSI curriculum, which is supposed to render it fully up-to-date and to prepare the next generation of engineers satisfying the modern requirements.

## Program Committee:

Pavel Tvrdík, Czech Technical University in Prague  
Ilya Levin, Tel Aviv University, Israel  
Hana Kubátová, Czech Technical University in Prague  
Petr Fišer, Czech Technical University in Prague  
Samar Baranov, Holon Institute of Technology, Israel  
Radomir Stankovic, University of Nis, Republic of Serbia  
Anna Yankovskaya, Tomsk State University of Architecture and Building, Russia  
Jan Schmidt, Czech Technical University in Prague  
Benjamin Abramov, Afeka Engineering College, Israel  
Vadim Talis, Jerusalem Engineering College, Israel

## Important Dates

Submission deadline (extended): **February 22, 2014**  
Notification of acceptance: March 15, 2014  
Camera-ready deadline: April 5, 2014



## Submissions:

Authors are invited to submit original papers which contain at least two pages and at most six pages in standard IEEE two-column format; full paper submissions are preferred. Contributions have to be submitted electronically through the workshop website at

[www.ati.ttu.ee/ewme2014](http://www.ati.ttu.ee/ewme2014)