

IFIP WORKING GROUP 10.5

REPORT OF ACTIVITIES AUGUST 2005 - JULY 2006

1. Sponsored events

Following main sponsored events have been held in the past 12 months:

IESS'2005 – 1st International Embedded Systems Symposium (<http://www.iess.org>), which is organized by SIG-ES, was held in Manaus, Brazil, from August 15th to 17th 2005.

CHARME'2005 – 13th Advanced Research Working Conference on Correct Hardware Design and Verification Methods (<http://www.charme2005.com>), which is organized by SIG-CHARME, was held in Saarbrücken, Germany, from October 3rd to 6th 2005.

VLSI-SoC'05 – 13th International Conference on Very Large Scale Integration (<http://vlsi2005.ecu.edu.au>), which is the flagship event of WG 10.5, was held in Perth, Australia, from October 17th to 19th 2005.

EduTech – 2nd Workshop on Education in Computer-Aided Design of Electronic Systems (<http://www.iess.org/edutech05.html>) was held in Perth, Australia, from October 20th to 21st 2005, together with VLSI-SoC'05, with support from IFIP WG 3.6 on Distance Learning.

EUC'05 – International Conference on Embedded and Ubiquitous Computing (<http://euc05.euc-conference.org>) was held in Nagasaki, Japan, from December 6th to 9th 2005.

2. Co-sponsored events

Following co-sponsored events have been held in the past 12 months:

SBCCI'2005 – 17th Symposium on Integrated Circuits and Systems Design (<http://www.sbc.org.br/sbcci>) was held in Florianópolis, Brazil, from September 4th to 7th 2005. It has been co-sponsored by SBC – Brazilian Computer Society, SBMICRO – Brazilian Microelectronics Society, IFIP WG 10.5, IEEE Circuits and Systems Society, and ACM SIGDA. Proceedings have been published by ACM Press.

CODES+ISSS'2005 – 3rd IEEE/ACM/IFIP International Conference on Hardware/Software Codesign and System Synthesis (<http://www.codes-iss.org>) was held in New York, USA, from September 18th to 21st 2005. It has been co-sponsored by the IEEE Circuits and Systems Society (CAS), the IEEE Computer Society (CS), the ACM Special Interest Groups on Design Automation (SIGDA) and Embedded Systems (SIGBED), and IFIP WG 10.5. Proceedings have been published by IEEE Computer Society Press.

FDL'2005 - Forum on Specification and Design Languages (<http://www.ecsi.org/fdl>) was held in Lausanne, Switzerland, from September 27th to 30th 2005. It has been organized by ECSI and co-sponsored by WG 10.5 and several other organizations. Papers have been published on a CD-ROM edited by ECSI.

DATE'2006 - Design, Automation and Test in Europe (<http://www.date-conference.com>) was held in Munich, Germany, from March 6th to 10th 2006. It has been co-sponsored by the European Design and Automation Association, the EDA Consortium, the IEEE Computer Society - TTTC, ECSI, RAS, and ACM SIGDA. Proceedings have been published by the IEEE Computer Society Press.

All these events have been co-sponsored by Working Group 10.5 without financial involvement (except for CODES-ISSS, which has financial involvement).

3. Future events

Following main sponsored events are already scheduled:

VLSI-SoC'06 – 14th International Conference on Very Large Scale Integration (<http://tima.imag.fr/conferences/VLSI-SoC06/index.html>) will be held in Nice, France, from October 16th to 18th 2006.

DIPES'2006 – Workshop on Distributed and Parallel Embedded Systems (<http://www.c-lab.de/dipes>), sponsored by the WG and organized by SIG-ES, will be held in Braga, Portugal, from October 11th to 13th 2006.

IESS'2007 – 2nd International Embedded Systems Symposium (<http://www.iess.org>), which is organized by SIG-ES, will be held in Irvine, USA, from May 29th to June 1st, 2007.

4. Meetings

Following meetings have been held in the past 12 months:

- Munich, Germany, on March 7th 2006, during DATE – Design, Automation and Test in Europe.
- Perth, Australia, on October 19th 2005, together with two events sponsored by WG 10.5 – VLSI-SoC and EduTech.

The next meetings will be held on July 25th, in San Francisco, USA, around DAC, and on October 16th, in Nice, France, around VLSI-SoC.

5. Special Interest Groups

The Working Group has two Special Interest Groups attached to it: the Special Interest Group on "Embedded Systems" (SIG-ES), which is also bound to WG 10.3 and WG 10.4, and the

Special Interest Group on "Formal Design and Verification Methods for Correct Hardware-like Systems" (SIG-CHARME). Chairs of these SIG's are Bernd Kleinjohann (C-Lab, Germany) and Steve Johnson (Indiana University, USA), respectively.

The IFIP Technical Committee 10 approved in its last meeting in January 2006 the transformation of SIG-ES into a new Working Group 10.2 on Embedded Systems. The formal approval of this new WG shall be voted during the next IFIP Council meeting.

6. Membership

Vincent Mooney III, from the Georgia Institute of Technology, USA, has been approved as a new member during the WG meeting in Perth, Australia. Juergen Becker, from the University of Karlsruhe, Germany, has been approved as a new member during the WG meeting in Munich, Germany.

Due to the low level of participation of many members in Working Group activities, it has been decided that these members should be given the opportunity of becoming "honorary (or corresponding) members". Besides, members with significant accomplishments and who are now retired from active professional or academic activity should be given the opportunity of becoming "emeritus members". Following rules have been defined:

A. Ordinary members

- Those members are expected to participate at the meetings, organize events, participate in PCs and as reviewers.
- New members shall be searched for this group only.
- Members loose this status after missing N meetings in sequence.

B. Honorary (or corresponding) members

- These are members we are proud of, due to their names and activities. We accept that due to heavy workload they can rarely attend meetings and show limited activities in IFIP events. However, we expect some elementary activities. At least they should send apologies.
- Members loose this status after not sending apologies for N meetings in sequence.
- By attending a meeting, these members are automatically moved to the Ordinary status.

C. Emeritus members

- Those members who retired from the active work in our field but have shown activities within WG 10.5 should be honored by this status.

As a consequence, letters have been sent to 25 members, asking them whether they should prefer to become honorary members or to resign. Nine members already responded that they prefer to become honorary members. One member expects to become active again and prefers to remain as an ordinary member. Two other members resigned (Raul Camposano and A.Richard Newton).

The WG has now 63 members, with the following distribution:

North America - 19

Europe – 33

Asia / Pacific - 9
South America - 2

7. Home-page

The WG 10.5 home-page is located at
<http://www.inf.ufrgs.br/ifip10-5>