IFIP WORKING GROUP 10.5

REPORT OF ACTIVITIES
FEBRUARY 2005 - JANUARY 2006

1. Sponsored events

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

PDES´05 - The International Workshop on Parallel and Distributed Embedded Systems (http://www.takilab.k.dendai.ac.jp/conf/icpads/2005/) was held in Fukuoka, Japan, from July 20th to 22nd. It has been co-sponsored by the IEEE Computer Society.

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 Florianopolis, 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-isss.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'2005 - Design, Automation and Test in Europe (http://www.date-conference.com) was held in Munich, Germany, from March 7th to 11th 2005. 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 planned:

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.

4. Meetings

Following meetings have been held in the past 12 months:
– Munich, Germany, on March 7th, during DATE – Design, Automation and Test in Europe.
– Perth, Australia, on October 19th 2004, together with two events sponsored by WG 10.5 – VLSI-SoC and EduTech.

The next meeting will be held in March 2006, in Munich, Germany, around DATE.

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.

Reports from these SIGs have been appended to the previous annual report from WG 10.5 (from September 2004 to August 2005).

6. Changes of membership

Vincent Mooney III, from the Georgia Institute of Technology, USA, has been approved as a new member during the last WG meeting in Perth, Australia.

The WG has now 64 members, with the following distribution:
    North America - 22
    Europe – 31
    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