

# ***Newsletter***

## ***of the IFAC Technical Committee on Human-Machine-Systems***

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### **A short review of the IFAC-HMS 2004 in Atlanta**

An exciting program was presented during this year's IFAC-HMS in Atlanta. Trends and challenges in HMS were thoroughly discussed and solutions were demonstrated. Conference visitors could profit from several topics, which were nicely distributed over the three conference days. Parallel sessions including methods for system and user interface design, evaluation, decision making but also application aspects like team collaboration and communication as well as discussion panels on pervasive computing or cultural issues were successfully conducted.

A good combination of key note speakers with topics ranging from academia, space and industry did not only provide an entire overview of HMS challenges to the conference visitors, but also showed the general trend of these systems; they are becoming complex and require multidisciplinary approach. Experiences from music, space and enterprise may help.

Those of you who attended this event, surely still remember the nice ambient at the Georgia Tech together with delicious dishes saved from different corners of the continent. It was a successful event!



*Front view of the GeorgiaTech*

Thanks to **Prof. William B. Rouse** and his organizing team for this excellent arrangement.

-- Kizito Ssamula Mukasa, *IFAC TC 4.5 Editorial.*

## Report of the IFAC TC 4.5 annual Meeting in Atlanta

The IFAC TC 4.5 had its annual meeting during the IFAC-HMS 2004 in Atlanta. A short agenda included reviewing the TC activities and planning new ones.



*Some members during the TC 4.5 annual meeting in Atlanta 2004*

Previous activities include the TC meeting during the IFAC-Symposium in Goteborg, Sept 2003 as well as launching a TC 4.5 website. Furthermore, a TC 4.5 email newsletter was started with the aim of keeping communication among members and introducing technological advances in HMS. Every member is welcome to send contribution to be included on the newsletter.

Talking about next activities, members were motivated to submit contributions to the 16<sup>th</sup> IFAC World Congress to be held in Prague, Czech Republic, from July 4 to July 8, 2005. The TC is intending to organize sessions on HMS issues.

An important issue was also to make decision of the venue for the IFAC-HMS 2007. Prof. Dr. Wan Chul Yoon of Korea agreed to take the responsibility of organizing this event in Korea. The **IFAC-HMS 2007** will therefore be held in **Korea** after the IFAC official approval. Date and Location will be announced later. I thank **Prof. Yoon** for this decision.

I am also thankful to **Prof. Millot** and his French colleges for expressing their interest to conduct the IFAC-HMS 2010.

I would like to thank those who attended the meeting. My special thanks go to those who decided to join the TC 4.5 after this meeting.

I wish you more success in tackling HMS challenges and wish to meet you again in Prague.

-- *Detlef Zuehlke, Chairman TC 4.5 HMS*

## Introducing new members of the IFAC TC 4.5 Community

It's my pleasure to inform you that the IFAC TC 4.5 received 4 new members during the HM2004 in Atlanta. These include Dr. Daniel W. Repperger of the Wright-Patterson Air Force Base in Ohio, USA; Dr. Charlotte Skourup of the ABB research laboratory in Oslo, Norway; Dr. Frédéric Vanderhaegen of the CNRS, LAMIH-UHVC in Valenciennes, France and M. Sc. Frauke Driewer of the department of computer science IV in Wuerzburg, Germany. Others are Dr. Yun Hyung Chung of the Korea Institute of Nuclear Safety and Dr. Daihwan Min of the Korea University at Jochiwon.

I welcome these new members and motivate you all to invite others to join this community. The challenging issues of future HMS can only be tackled with our combined efforts.

So let's enrich each other with HMS knowledge.

-- Detlef Zuehlke, Chairman TC 4.5 HMS.

## Forthcoming events

- [2nd IFAC SYMPOSIUM on SYSTEM, STRUCTURE and CONTROL](#),  
December 8 - 10, 2004, Oaxaca, Mexico  
<http://www.sssc04.cinvestav.mx/>
- [16th IFAC World Congress](#)  
July 4 - 8, 2005, Prague, Czech Republic  
<http://ifacplaza.certicon.cz/index.php>

-- Kizito Ssamula Mukasa, IFAC TC 4.5 Editorial.

## EDITORIALS

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