IFIP TC-13 ON HUMAN - COMPUTER INTERACTION

Annelise Mark Petersen,
Chair of TC-13

Annual IFIP Report August 2005 – August 2006

A. Report to General Assembly

1. Meetings Held and Scheduled

- The annual TC-13 meeting was held in Hamburg, Germany on Thursday and Friday 30-31 March 2006. IFIP’s president Klaus Brunnstein gave a presentation of IFIP and participated in the meeting Thursday morning 30 March. The major focus of this meeting was on the new IFIP strategy and on the new TC-13 strategy. 26 members participated.
- Preceding this meeting, TC-13 conducted a seminar on HCI research in Germany on March 29th.
- The 25th meeting of TC-13 was held in Rome, Italy, Sunday, September 11, 2005, in conjunction with the TC-13 INTERACT conference. Twentyfive members participated.
- The 2007 TC-13 annual meeting is scheduled for Tuesday and Wednesday 27-28 March 2007 in Salamanca, Spain. Julio Abascal is the TC-13 organiser together with Francisco José García Peñalvo, from the University of Salamanca.
- As usual, preceding the TC-13 meeting, an HCI research seminar will be organised with focus on HCI in Spain for Monday 26 March 2007. About five Spanish speakers and five TC-13 speakers will present their research.
- TC-13 will hold a meeting on Sunday, 9 September, 2007, in conjunction with the TC-13 INTERACT ‘07 conference to be hosted in Rio de Janeiro, Brazil. The conference will run 10 September to 14 September 2007.

2. Changes in Membership and Officers

- The new Austrian representative is Dr. Horst Hörtner from AEC Future Lab. Museumsgesellschaft GmbH, Linz, Austria (instead of Dr. Tom Gross).
- Dr. Chengqing Zong is a new Chinese representative from the Chinese Academy of Sciences, Beijing 100080, China.
- Dr. Markus Stolze has resigned as the Swiss delegate and he will soon be replaced by another representative.

TC-13 is missing representatives of the following IFIP full members list of January 2006: Andorra, Botswana, Bulgaria, Croatia, Ethiopia, Israel, Malyasia, Mauritius, Nigeria, Oman, Russia, Sri Lanka, Syria and Thailand. The GA members of these countries will be contacted in order to arrange suitable representatives appointments.

The representatives from Greece, Norway, Poland, Singapore and Slovenia have not attended three consecutive meetings. The GA members of these countries will be contacted in order to ensure active participation.
The TC-13 membership is listed in Appendix 1. A summary of attendance at the last business meeting in Hamburg is included as Appendix 2.

3. General Activities and Events

INTERACT '05 Conference

The INTERACT'05 conference took place September 12th - 16th, 2005 in Rome, Italy. INTERACT 2005 was a special event, since it was the tenth anniversary of the INTERACT conferences. This conference highlighted Communicating naturally with computers and explored the visions, challenges and opportunities of designing and using computers with increasingly natural communication capabilities. Issues related to communicating naturally are expanding in importance as the globalisation includes communication among all people in all possible environments worldwide. Communication increasingly involves technologies capable of integrating a wide variety of computers and platforms and occurs in a wide variety of contexts, including most aspects of life, work, home, play and on the run. A wide range of events were included in the proram: technical session papers, posters, panels, laboratory over views, professional practice and experience, videos and interactive experiences, tutorials, workshops and a Doctoral Consortium. A substantial number of commercial booths presented new technologies, such as robots. The total of attendance was 300 from 28 Western and Eastern countries. The evaluation showed that the conference was a great scientific and technical success, participants enjoyed the quality and diversity of the programme. The conference proceedings were published by the Springer Verlag, Lecture Notes. 2005.

The Brian Shackel Award '05

The Brian Schackel Award was delivered at the INTERACT ’05 Conference in Rome September 12th for a most outstanding HCI research contribution. There were many papers nominated, but the winning paper went to: Gian Y.Wang, Susum Harada, Tony Hsich, Andres Paepke: “Visual Interface and Control Modality: An Experiment about Fast Photobrowsing on Mobile Devices”.

INTERACT '07 Conference

Planning is underway for INTERACT 2007 to be run in RIO de Janeiro, Brazil, 10-14 September, 2007. The motto of the conference is “Socially Responsible Interaction “. The Conference Chairs are Prof. Simone Barbosa, PUC-Rio, Brazil and Prof. Julio Abascal, Universidad del País Vasco, Spain and Philippe Palangue (France). Relevant committees have been formed including HCI researchers in developing countries as well as European HCI researchers.

4. Working Group Activities and Events

Working groups are very much appreciated by TC13 members since they yield many publications and many members due to the steady work performed by the officers, TC and WG members and observers. TC-13 is committed actively to involve young people in SIGs and WGs and is currently investigating a number of new SIGs with innovative research topics as a way of attracting young researchers.
WG13.1 on Education in HCI and HCI Curriculum

Chair: Paula Kotze, South Africa  
Vice chair: Lars Oestreicher, Sweden  
Secretary: Konrad Baumann, Austria  
Website: www.hcieducation.org

Membership  
There are 19 full members and 17 observers

Activities

- The “HCIEd.2006-1 Inventivity: Teaching theory, design and innovation in HCI” workshop was held in Limerick, Ireland 23-24 March 2006. This workshop was the first joint HCI Educators’ Workshop and was organised by the British Computer Society (BCS), IFIP WG13.1, the Irish Computer Society (ICS) and EU CONVIVIO. Twenty-nine international HCI educators from nine countries who were very excited about teaching HCI attended, including quite a few young people; The organizers were: Paula Kotze, IFIP WG 13.1 Liam Bannon, ICS, CONVIVIO, William Wong, BCS HCIG E&P together with Janet Read, University of Central Lancashire, UK; and Ebba Thora Hvannberg, University of Iceland, Iceland. Papers are available at www.idc.uc.ie/hcieducators06.


- A South African HCI Education Workshop will be held in conjunction with SAICSIT 2006 on 11 October 2006. It will be organised by Janet Wesson (South Africa) Gabrielle Ford, (UNK) and Paula Kotze. (http://saicsit.cs.uo.ac.za/).

- Another WG 13.1 workshop on Education in HCI and HCI Curriculum is planned to take place at the NORDICHI Conference in October 2006 to be held in Oslo, Norway.

- A new website / wiki for WG13.1 has been developed with two parts The HCI Education Resource. The 'official' WG13.1 part. www.hcieducation.org

Publications

Papers are available at www.idc.uc.ie/hcieducators06.

WG13.2 on Methodologies for User Centered Systems Design

Chair: Jan Gulliksen, Sweden  
Vice chair: Peter Forbrig, Germany and Regina Bernbaupt, Austria  
Secretary: Janet Wesson, South Africa

Membership  
There are 31 members of WG13.2

Activities

- A workshop was held at INTERACT’05 jointly with WG13.4; it attracted more than 20 participants; a book resulted from this.

- A South African HCI Education Workshop will be held in conjunction with SAICSIT 2006 on 11 October 2006 (http://saicsit.cs.up.ac.za/). It will be organized by Janet Wesson (South Africa) Gabrielle Ford (UKN) and Paula Kotze (IFIP WG13.1 chair, South Africa).

- A working conference on Human-Centred Systems Engineering (HCSE), organised by WGs 13.2 and W13.4, will be held from 29-31 March 2007 in Salamanca, Spain
directly after the TC-13 Business meeting. This conference will be chaired by Jan Gulliksen (WG13.2 chair) and Morten Borup-Harning (WG13.4 chair) and Janet Wesson (South Africa) and Remi Bastide (France).

Publications
A book has been published with the title “Human-centered software engineering”. Edited by Ahmed Seffah, Jan Gulliksen and Michel Desmarais.

WG13.3 on HCI and Disability

Chair: Monique Noirhomme, Belgium
Vice chair Gerhard Weber, Germany
Secretary: Colette Nicolle, Belgium

Membership
Currently there are 14 active members and 19 observers

Activities
• An Annual General Meeting was held in Rome, prior to Interact 2005.
• A Workshop was held at Interact 2005 on “Promoting inclusive design policies and strategies for HCI”. This workshop was also supported by EDeAN (European Design for All e-Accessibility Network) and its Special Interest Group on Curricula. This was a really good, positive experience with participants that represented many societies in Europe. The aim of the workshop was to support EDeAN (European Design for All e-Accessibility Network) and its Special Interest Group on Curricula, by discussing and elaborating recommendations proposed by the IDCnet project (Inclusive Design Curriculum Network) for higher education and research policies and strategies to promote inclusive design.
• An IFIP TC13.3 award was also proposed for Interact 2005, but this award is expected to be attributed at Interact 2007.
• A special thematic session was organised at ICCHP 2006 (Linz, 12-14 July 2006) on “Materials for Teaching Accessibility.” Since a number of individuals have a dual (or even triple) role in EdeAN (www.edean.org), IDCnet (www.idenet.info) and IFIP WG13.3 (http://www.info.fundp.ac.be/IFIP13-3/), this workshop was a perfect opportunity to promulgate the work on Design for All.
• The Annual General Meeting was held at ICCHP in Linz, July 2006.
• The next Interact conference will be held in Brazil, September 2007. JA is co-organiser and plans are in order to make contact with the Brazilian community in order to have more impact on the local attendees.

Publications
An open call for a special journal issue is being investigated for ‘Interacting with Computers’ on the subject “Advances in methodology and tools for design for all.” The editor is being contacted, and a call for papers is being organised.

WG13.4 on User Interface Engineering

Chair: Morten Borup Harning, Denmark
Vice chair: Remi Bastide (France)
Secretary: Kevin Schneider (Canada)
Membership
There are twenty tree members from USA, Canada and Europe

Activities
- A workshop was held at INTERACT’05 jointly with WG13.2 on September 13; it attracted more than 20 participants; a booklet resulted from this.
- Business meeting September 13, Rome, 2005
- Business meeting April 23, Montreal, 2006.
- Working group meeting July 24-25, Dublin, Ireland
- Working group meeting December 8, 06 Amsterdam, The Netherlands
- 10th WG 2.7/13.4 Conference on Engineering Human Computer Interaction to be held jointly with 1st WG 13.2 Conference on Human Centred Software Engineering and DSVIS - 14th Conference on Design Specification and Verification of Interactive Systems, March 29-31, Salamanca, Spain, 2007

Publications

WG13.5 on Human Error, Safety and Systems
Chair: Philippe Palanque, France
Vice chair: Ronald Boring, U.K.
Secretary: Chris Johnson, U.K.
Website: http://www.dcs.gla.ac.uk/johnson/IFIP_WG13.5

Membership
Membership is open to anyone participating in the meetings on a regular basis. A core for membership has been set up including participants in the European Research Training Network (ADVISES: Analysis Design and Verification of Safety-critical Error-tolerant Systems) and the PC members of the WG 13.5. working conference. Explicit list of members has been set up at the end of the working conference. A web site is dedicated to it that http://listes.irit.fr/wws/info/ifipwg13-5.

WG mail list address: Under Construction (Currently the list of Programme Committee members of the WG 13.5 working conference)

Activities
- A business meeting was held during CHI 2006 SIG.
- The task force aiming to produce tutorials providing a basic understanding of the interdisciplinary nature of the group continues to exist. A new tutorial was held in Delft end of November 2005. Information about tutorial is available at the following web site: http://www.dcs.gla.ac.uk/advises/tutorials.html. The most recent tutorial was held in Pisa Italy 15-17 May 2006. Slides of past tutorial are available from the web site.
- WG 13.5 organised a workshop at INTERACT ’05.
- A Special Interest Group was organised at CHI 2006 conference entitled “Testing Interactive Software: a Challenge for Usability and Reliability”
- Another informal meeting is planned during the HCI-Aero conference (20-22 September 2006) in Seattle, USA.
The WG. 13.5 has been asked to 'scientifically sponsor' the conference DSVIS 2006. [https://www.cs.tcd.ie/DSVIS06/](https://www.cs.tcd.ie/DSVIS06/)

WG 13.5 is considering a new working conference HESSD during 2007 in Glasgow. This will be decided soon.

**WG 13.6 on Human-Work Interaction Design (HWID)**

Chair: Annelise Mark Pejtersen, Denmark
Vicechair: Torkil Clemmensen, Denmark,
Secretary: Rikke Orngren, Denmark.
Website: [http://asp.cbs.dk/hci/hwid/](http://asp.cbs.dk/hci/hwid/)

**Membership**
There are 22 members from 9 different nations in Europe, Australia and the USA. There are 14 observers.

**Activities**

- **WG.13.6 held a workshop at the INTERACT’05 conference in Rome, September 12**th “Describing Users in Context: Human-Work Interaction Design”. The workshop was very well attended with 26 participants, and presentation of 10 papers. The workshop was organised by Rikke Orngren, Torkil Clemmensen and Annelise Mark Pejtersen. The papers were published in a booklet.

- **On September 14**th WG 13.6 chaired a SIG on Human-Work Interaction Design at INTERACT ’05. It was well attended with 19 participants. It was decided to hold a first working conference in Funchal at the University of Maidera in February 06. The SIG was organized by Rikke Orngren, Torkil Clemmensen and Annelise Mark Pejtersen.

- **The first working conference was on “Designing for Human Work”, Analysing and Interpreting Sketches in the Design Process”. The conference was a great success with 20 participants from different countries in Europe, Australia and the USA. It took place in Funchal at Pedro Campos’s workplace University of Maidera, 12 -14 February 06. It was organised by Torkil Clemmensen and Pedro Campos and supported by a HWID steering Committee.**

- **The next HWID working conference is scheduled to take place in Lille in France 16-17 February 2007 on “Linking Sciences in Human-Work Interaction Design”. It will be organized by Annelise Mark Pejtersen and Grégory Bourguin and it will be supported by a HWID steering Committee. It will be hosted by and Grégory Bourguin’s workplace Université du Littoral Côte d'Opale (ULCO) in Lille, France.**

**Publications**
5. Status and progress

The TC-13 meeting in Hamburg in March this year was very productive in many ways. Klaus Brunnstein gave a presentation on the changing nature of computing and the new IFIP strategy. He predicted that the importance of human issues in computing will increase in both the short and long term, saying that the need for effective interaction will become even more important as the computer ‘vanishes’ as in pervasive, ubiquitous computing, where the computer is integrated into life via sensors, bio-feedback etc. In his view, TC.13 is likely to become one of the most important TCs in IFIP in the future.

The discussion of the future IFIP Strategy and TC-13 strategy resulted in a number of problems that needed to be addressed together with the IFIP organization rather than strategies to overcome these problems, see appendix 3.

Participation in IFIP Conferences

The upcoming WCC, which will take place in Milan in 2008, and the WITFOR conference, which will be held in Ethiopia in 2007, were given much attention by the TC-13. It was obvious to TC-13 members that the topics of WCC were all very important to their research interest, and there was a positive agreement that TC-13 should participate in this conference. It was not, however quite clear whether our participation could/should be in terms of a thematic session proposed by TC-13, or whether individual TC and WG members should submit papers to the conference, and/or propose workshops. This has to be investigated further. Concerning WITFOR 2007, it seemed more unclear why and how TC and WG members could contribute and gain from participation in this conference. This uncertainty was due to many factors, such as the workload of a joint participation in two IFIP conferences in two years in a row in addition to TC-13’s own INTERACT conferences as well as the working conferences of WG’s. Secondly, WITFOR is a relatively new event of a different nature and it is still seeking its proper format and outcome.

Collaboration with TC-3 on HCI in Education

The chairs of TC-13 and TC-3 on Education (Jan Wibe) have been working together on a possible collaboration. This idea of collaboration was received positively both at the TC-13 meeting and at the TC-3 meetings. A draft paper has been written on a possible collaboration, which was presented at the TC3 meeting in July this year. The first action to be taken is to select upcoming events of the two TC's in order to identify the common ground of the work on HCI and Education. The paper has been distributed to TC-13 members for comments and focused ideas for collaboration among TC-3 and TC-13. Later the paper will be sent to the working groups for comments.

Get Young HCI Researchers Involved

TC-13 is actively committed to increase the numbers of young researchers. This is done by setting up 10 new SIG,s in 2006-2007, which will mainly be run by young, qualified researchers. SIG;s have the proper format for young PhDs and Post Doc's to become involved and lead a special interest group in their own areas of research. In this way, we can dynamically adopt new HCI research topics and increase the interaction among young and experienced researchers. Likewise, we can prepare for the next generation of HCI researchers to be engaged in IFIP.
New Website

TC-13 is developing a new website to replace the original one (http://www.ifip-hci.org/) based on the new visual design of the IFIP website. TC-13 vice chair Janet Wesson, South Africa is in charge of this. Sponsor is TC-13, which includes web design and maintenance.

B. Report to Technical Assembly

Nothing to be reported
IFIP TECHNICAL COMMITTEE TC-13 MEMBERSHIP

As of August 2006

**Australia:** Ms. Judy Hammond  
**Austria:** Dr. Horst Hörtner  
**Belgium:** Prof. Monique Noirhomme-Fraiture  
**Brazil:** Professor M. Cecilia C. Baranauskas  
**Canada:** Professor Gitte Lindgaard, TC-13 Secretary  
**China:** Dr. Chengqing Zong  
**Czech Republic:** Prof. Dr.-Ing. Vaclav Matousek  
**Denmark:** Professor Annelise Mark Pejtersen, TC 13 Chair  
**Finland:** Prof. Kari-Jouko Räihä  
**France:** Professor Philippe Palanque,  
**Germany:** Prof. Dr. Horst Oberquelle  
**Greece:** Prof. John Darzentas  
**India:** Dr. Mathura P. Thapliyal  
**Italy:** Dr. Fabio Paternò  
**Japan:** Professor Masaaki Kurosu  
**Netherlands:** Prof.dr. G.C. van der Veer  
**New Zealand:** Prof. Mark Apperley  
**Norway:** Mr. Svein A. Arnesen  
**Poland:** Prof. J. L. Kulikowski  
**Portugal:** Prof. Joaquim A. Jorge  
**Singapore:** Assoc. Prof. Kee Yong Lim  
**Slovenia:** Prof. Dr. Mirko Vintar  
**South Africa:** Professor Janet L. Wesson, TC-13 Vice chair  
**Spain:** Prof. Julio Abascal  
**Sweden:** Dr. Lars Oestreicher  
**Switzerland:** Dr. Markus Stolze until a new representative is elected  
**U.K.:** New representative is being selected  
**US-based:** Dr. John Karat  
**US-based:** Dr. Nahum Gershon

**Experts and affiliate members**  
**Austria:** Prof. Dr. Tom Gross  
**Sweden:** Dr. Jan Gulliksen

8. TC.13 CHAIRPERSONS

**CHAIRPERSON TC.13:** Professor Annelise Mark Pejtersen  
**CHAIRPERSON WG 13.1:** Prof. Paula Kotze  
**CHAIRPERSON WG 13.2:** Prof. Jan Gulliksen  
**CHAIRPERSON WG 13.3:** Prof. Monique Noirhomme  
**CHAIRPERSON WG 2.7/13.4:** Dr. Morten Borup Harning  
**CHAIRPERSON WG 13.5:** Prof. Philippe Palanque  
**CHAIRPERSON WG 13.6:** Prof. Annelise Mark Pejtersen
TC-13 MEETING ATTENDANCE - From 16th. to 26th Meeting

Attendance (P=Present Al=Alternate Attended A=Apologies X=No News - =Not yet/No longer TC13 Member)

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Appendix 3: Problems and Proposals to IFIP

- What does/can IFIP offer in terms of globalisation?
  No proposal at this time.

- What does/can IFIP offer to encourage the next generation into IFIP?

  Proposal: Offer better opportunities for publishing young researchers’ work, give an award to best student paper at conferences, create online communities at the WG level, IFIP to waive the fee it normally takes for full paying registrants and give special student fees and lower conference registration, find travel money for students. IFIP must change its model/procedure to accommodate this. TC-13 is committed to getting young people actively involved in SIGs and WGs and is currently investigating a number of new SIGs with innovative research topics as a way of attracting young researchers.

- What does/can IFIP offer to improve TC websites?

  Proposal: IFIP will host TC websites in a well-designed, maintained web portal.

- What does/can IFIP offer to improve IFIP conferences, WG activities and to create new activities?

  Proposal: An alternative model of funding IFIP conferences, where IFIP takes more responsibility, change WGs' income from royalties and proceeds (currently 25% and 75%). IFIP’s budget should be more transparent. To create new activities: We need a repository of IT professionals (universities, government, industry). People would be able to find other people to hire or borrow for specific tasks.

- What does/can IFIP offer to recruit members other than IT societies?

  Proposal: IFIP should find a way to engage more actively with all its stakeholders, including organisations, industry, academia and students. Universities and research organisations should be able to become IFIP members and to pay membership fees.