

TC.13 2005 REPORT TO IFIP GA and TECHNICAL ASSEMBLY

September 2005, Gabarone, Botswana

Part I General Assembly

1. Meetings Held and Scheduled

The twenty third meeting of TC13 was held 4-5 March 2004 in Port Elisabeth, South Africa. The twenty fourth meeting of TC.13 was held in Namur, Belgium, January 26-29 2005. The meetings covered a number of operational and strategic issues including planning for future INTERACT conferences, and succession of officer. The next meeting, number 25, is scheduled for Rome, Italy, 11th to 16th, September 2005. TC13 meeting number 26 is scheduled for March 26-29 2006, and it will take place in Hamburg, Germany.

2. TC 13 Membership

TC.13 's membership now consists of 30 full IFIP Member Societies.

3. TC13 Officers

The current TC.13 membership is listed in Appendix 1. A summary of attendance at the business meetings is included as Appendix 2. There are no other issues involving attendance of members at the business meeting that we need to raise at this time.

New representatives

A new TC.13 representative for the Canadian Information Processing Society professor Gitte Lindgaard has been appointed in 2003.

A new TC.13 representative has been appointed, Professor Kari-Jouko Raiha, University of Tampere, for the Finnish Information Processing Association.

A new TC13 member for India has been appointed, Dr. Mathura Prasad Thapliyal from Computer Society of India.

New TC13 chair

The former Chair of TC.13 John Karat ended after his first term in September, 2004. There were two nominations for the position of new TC.13 Chair and an election held; as a result TC.13 made a recommendation to the IFIP President, who has appointed professor Annelise Mark Pejtersen, The Danish IT Society, to be TC.13 Chairman. This took effect from September 1st, 2004.

TC13 Management Group-a new initiative

The new TC13 chair Annelise Mark Pejtersen has appointed two vice chairs professor Gilbert Cockton representing the British Computer Society and professor Janet Wesson representing the South African Computer Society, who also holds the position of TC13 treasurer. The position of TC.13 Secretary is held by professor Gitte Lindgaard, Canada.

From October 2004 TC13 has been led by a management group consisting of the TC13 chair, the vice chairs and the secretary. Tasks and responsibilities are shared among the management group, and the new structure increases the number of initiatives and human resources and it has also increased the communication and the visibility of the TC13 management work.

New WG chairs

The WG 13.1 “Education in HCI and HCI Curriculum”. Chairman, Prof. Mathias Rauterberg, Switzerland, has completed his term as Chairman towards the end of 2004. The new WG 13.1 Chairman is Prof. Paula Kotze, South Africa.

WG13.4 on “User Interface Engineering” has appointed Morten Harnung, Denmark, who has taken over the Chairmanship of the WG since Autumn 2004.

WG 13.5 on “Human Error, Safety and Systems” has appointed Prof. Phillipe Palanque, France, as Chairman.

WG 13.6 A new Working Group on “Human-Work Interaction Design” is proposed. It will be led by professor Annelise Mark Pejtersen and professor Janni Nielsen, both from Denmark, together with two secretaries: Rikke Orngren and Thorkild Clemmensen. The WG 13.6 is expected to be approved at the GA/TA meeting in Botswana September 2005.

4. Activities, Events and Progress

A new initiative is being undertaken at a TC.13 level in conjunction with the IFIP WITFOR 2005 in Garbonne, Botswana and the next iteration of the INTERACT series is being planned to take place in Rio de Janeiro, Brazil in 2007. In addition, a number of task forces have settled by the new management team and the TC13 members on important topics that need in depth analysis in order to make a significant progress of these topics in current TC13 activities. These task force activities are described below.

Research Seminars

The chairman has taken the initiative to organize a new activity in conjunction with the traditional two days TC13 meetings with a technical program of IFIP matters. The day before the TC13 meeting, a professional research seminar takes place. The aim of the professional research seminar before the TC13 meeting is to make it possible for the TC 13 members to meet their colleagues and HCI experts in the country that is holding the TC13 meeting. Vice versa, the aim is to introduce IFIP and TC13 to the research community of the country that IFIP visits, and to make it possible for the HCI professionals and researcher in that country to meet HCI researchers from other countries all over the world, who are also IFIP representatives. The seminar contains mutual exchange of ongoing research from both parties, and it has proven to be a very successful event. A successful TC13 research seminar on HCI in Belgium took place on January 26th the day before the TC.13 meeting in Namur, Belgium, 2005. The specific themes that were presented and discussed were DESIGN and VISUALISATION and USABILITY and ACCESSIBILITY. The next TC13 research seminar on HCI research in Germany is scheduled for March 26th 2006 in Hamburg, Germany.

INTERACT '05

The principal TC.13 activity has been the organization of the tenth INTERACT conference to be held in Rome, September 2005. It was preceded by the INTERACT conference number nine held in Zurich 2003, Switzerland.

INTERACT '03

The ninth conference in the IFIP TC.13 INTERACT series was held in Zurich, Switzerland, 1-5 September, 2003, hosted and organised by the Swiss Federal Institute of Technology, EHT. The conference was a great scientific and technical success, with a total of attendance of 402 from 34 countries. A range of events was produced for the three-day technical sessions of the conference program: papers, posters, panels, laboratory over Views, professional practice and experience, videos and interactive experiences. Eight tutorials and nine workshops were presented in the first two days of the conference and covered a wide range of topics. A Doctoral Consortium was organised for Ph.D. students from various countries. Also students were enthusiastic about the event. A Doctoral Consortium is held at each INTERACT, and aims to fulfill TC.13's commitment to provide academic guidance for young HCI researchers during their period of study. The conference proceedings were published by IOS Press. The Brian Shackel Award was presented for the fourth time for a refereed paper. The Award marks the significant contribution of Professor Brian Shackel (founding IFIP TC.13 Chairman) to the establishment of HCI as an international discipline and recognizes the most outstanding contribution in the form of a refereed paper submitted to and delivered at each INTERACT Conference. The purpose of the Award is to draw attention to the need for a comprehensive human-centred approach in the design and use of information technology in which the human and social implications have been taken into account.

INTERACT '07

Planning is already underway for INTERACT 2007 to be staged in RIO de Janeiro, Brazil, September, 2007. The Conference Chairs are Prof. Simone Barbosa (PUC-Rio, Brazil) and Prof. Julio Abascal (Universidad del País Vasco, Spain). Relevant committees are being formed.

APCHI

The fifth APCHI conference, covering HCI in the Asia-Pacific region, was held in Rotorua, New Zealand, in July 2004, 160 attended, 25% came from the Asian region; It was very well attended by Europeans. Next APCHI will be in Taiwan. TC.13 has sponsored this conference since it started in 1996.

5. Working Groups

Most of the activities in 2005 and 2004 continue to relate to the Working Groups in terms of workshops and working conferences arranged by WG13.1, WG13.2 and WG 13.3, WG 13.4, WG 13. 5.

The list of activities in the past year, and of those scheduled for the future, is given in Appendix 3.

A new Working Group has been established with the name of WG 13.6 on *Human-Work Interaction Design*. This WG has been proposed and approved at the TC13 meeting in Port Elisabeth, South Africa in March 2004 and again at the TC13 meeting in Namur, January 2005. The WG 13.6 is expected to be approved at the GA/TA meeting in Botswana September 2005. Under the name of TC13, the new WG is holding a workshop at the INTERACT'05 conference in Rome, September 12th on "Describing Users in Context: A Human-Work Interaction Design" approach, which is planned to lead to a special journal issue publication on the topic. This theme is being continued at the same conference on September 14th, where WG 13.6 is chairing a SIG on Human-Work Interaction Design. Future plans are awaited after the TA meeting in Botswana, September 2005.

WG13.1 on Education in HCI and HCI Curriculum

One workshop has been conducted by Konrad Bauman. The WG is planning a working conference in the north of Europe prior to the British HCI conference in September 2005, possibly at the University of Edinburgh.

WG13.2 on Methodology for User Centered Design

A book is being published with the title “User-centered software engineering”. The WG is planning for the first working conference January 4-6, 2006 in Guadeloupe, West Indies. The three WG office bearers are conference co-chairs.

WG13.3 on HCI and Disability

The WG has submitted a workshop in cooperation with WG13.2 for INTERACT 2005. The group has proposed an award for the best paper in the field of accessible technology, the “IFIP TC13.3 Award” to be activated at INTERACT’07 in Brazil.

WG13.4 on User Interface Engineering

WGs13.2 and 13.4 are now working closely together and are exchanging ideas pursuing possible conference initiatives. A working conference in Hamburg attracted 22 full papers out of 66 submissions; 44 delegates attended. Plans for future meetings: one along just after CHI in Portland. In The WG has submitted a workshop in cooperation with WG13.2 for INTERACT 2005.

WG13.5 on Human Error, Safety and Systems

The WG conducted a SIG at CHI2004 on Safety Critical Interaction, with five presentations. They organised the SIG in a close relationship with the Research Training network “ADVISES” (Analysis Design and Validation of Interactive Safety-critical and Error-tolerant Systems) funded by the EU. A book was published during the conference. The conference attracted 60+ delegates. A mailing list has been set up and is managed via the web. The WG has a web site http://www.dcs.gla.ac.uk/johnson/IFIP_WG13.5 Plans for the near future: a Glasgow workshop on Complexity in design, March 2005, all student fees are paid by the US Air Force; Tutorial in York, end May 2005; *Future plans* are a workshop or SIG at INTERACT 2005.

6. Strategic Activities: Progress Task Forces and Actions

New HCI research challenges and new technology changes dynamically and TC.13 is taking up this challenge with its Task Force initiatives. In order to accomplish significant advances in TC.13 work and action taken, Task Forces have been established with the cooperation of many people in many countries and in the wider IFIP context. Task forces are working on specific topics to clarify and deal with strategic issues and progress reports and action plans are being drawn up on the TC13 meetings.

1. Proactive developments and missions of TC13

The field of HCI is changing and expanding, and the work of TC.13 must be continually redefined to accommodate the future findings of research in its own field and those of contributing disciplines. One major role of this taskforce is “creative idea generation” and to explore innovative professional ideas that ensure awareness, progress, visions and promotion of all TC13 activities. In parallel to rethink goals and scope of TC13 and to

follow future developments and to identify future missions for TC13 and change and update current activities and ways of working in TC13.

Chair: Lars Oestreicher, Sweden

2. Developing countries and the Global HCI Society

The provision of appropriate assistance to developing countries in the quest to advance the area of HCI has been emphasized wherever possible. The inclusion of developing country representatives in the Technical Committee means that the more established countries in the HCI field can assist developing countries in their growth. It also enables more cross-cultural awareness to develop. Therefore, TC13 has co-sponsored the funding of the first India conference on HCI in India IHCI in December 2004. The conference was organized by the Indo European Systems Usability Partnership (IESUP). To maintain this relationship, TC13 has sponsored the participation at INTERACT'05 in Rome of the Indian representative Dr. Mathura Prasad Thapliyal from Computer Society of India. He will also present the state of the art of HCI research in India at the TC13 business meeting in Rome on September 11 05. Likewise TC13 has funded 4 TC.13/CHI-SA Travelling Workshops in March and November in 2004 in South Africa in collaboration with European researchers. The aim was to examine challenges and opportunities for researchers, educators and developers in the HCI community in South Africa in terms of HCI in Industry, Accessibility, Internet and Mobile Computing.

These aspects should continue to expand and the appointment of new members from developing countries should be encouraged. Some Eastern Europeans have difficulties attending TC13 meetings. One role of this taskforce will also be to define what the term "developing country" means in the context of TC13. The taskforce will also take look into the issue of locating potential TC13 members in countries in which we currently have no member.

Chair: Janet Wesson, South Africa

3. Public Relations, Visibility and News

The objective is to make TC 13 Committee an even more proactive and visible committee with a strong professional reputation in the developing countries as well as in the developed countries. Increase the dissemination of relevant and timely information about the activities and outcome of TC13' work. An up to date internal and external TC13 Website is the cornerstone of ways to be more visible internationally, and the task force will develop a more timely website for TC13.

Chair: Gilbert Cockton, UK

4. Strategy and guidelines on INTERACT Conferences

During the last 10 years, there have been four successful INTERACT conferences (in Australia, Scotland, Japan, Switzerland-and in Italy this year), a sure indication that the TC.13 flagship conference series, INTERACT, continues to flourish and confirms its stature as a truly international HCI event of high quality. Therefore, the objective of this task force is to develop a competitive strategy for how INTERACT can maintain this position and how the efficient organisation of INTERACT conferences can be communicated effectively to the succeeding conference organisers. The taskforce will also propose a policy for organising committees to select an appropriate conference-management tool.

Chair: Gitte Lindgaard

5. Working Groups

In the past 10 years, the number of TC.13 representatives has grown from 20 to 30 members, and new Working Groups have been formed, and most of these are working actively. The objective of this task force is to increase communication among WGs, and especially among WG Chairs, to make sure that 1. WGs are covering all the essential HCI issues and to 2. support new Working Groups to be running efficiently from the very beginning and to 3. collaborate on defining their programs of activities and to focus on developing work products which identify the TC13 Working Groups.

Chair: Mark Apperly, New Zealand

7 Budget

The budget for 2005 should remain at least at the same level as for 2004.

8 Progress and Status

TC.13 is in a good position to make use of its finances to advance HCI in the context of IFIP and TC13 objectives, and in line with these, the above mentioned strategic Task Forces and related activities have been initiated. A significant increase in the human resources that are devoted both to important TC13 activities and to significant management initiatives and tasks has been carried through. In addition, the next INTERACT 2007 will take place in Brazil to be organized by HCI researchers in a developing country in collaboration with European researchers.

Annelise Mark Pejtersen, Chairman, TC.13 on HCI. , August 19, 2005

Part II Technical Assembly

Proposal of a new Working Group on *Human-Work Interaction Design* has been submitted to be on the Agenda of the TA at the meeting in Garbarone, Botswana in September 3-5 2005. This working group, if approved, will be TC13 WG 13.6. The aims and scope for WG 13. 6

This WG has been proposed and acknowledged at the TC13 meeting in Port Elisabeth, SA in March 2004 and again at the TC13 meeting in Namur 2005. Five TC13 members have committed themselves to contribute to this WG either as full members or as observers. In addition, about 35 HCI experts with insights in studies of work contexts in HCI from all over the world has expressed their great interest in this area of HCI research and they have pointed to the urgent need for such a WG. Under the name of TC13 the *Human-Work Interaction Design* group has proposed a workshop, which has been accepted at the INTERACT'05 conference in Rome, September 12th on "Describing Users in Context: A Human-Work Interaction Design" approach, which is planned to lead to a special issue journal publication on the topic. This theme is being continued at the same conference on September 14th, where WG 13.6 is chairing a SIG on Human-Work Interaction Design. The TA's approval of this new WG 13.6 is awaited as are future plans.

Annelise Mark Pejtersen, Chairman, TC.13, 19 August 2005

**IFIP TECHNICAL COMMITTEE TC.13 MEMBERSHIP
as of 17th August 2005**

Australia: Ms. Judy Hammond
Austria: Prof. Dr. Tom Gross
Belgium: Prof. Monique Noirhomme-Fraiture
Brazil: Professor M. Cecilia C. Baranauskas
Canada: Professor Gitte Lindgaard
China: Zhengjie Liu, Professor, Director
Czech Republic: Prof. Dr.-Ing. Vaclav Matousek
Denmark: Professor Annelise Mark Pejtersen, TC 13 Chair
Finland: Prof. Kari-Jouko Rähä
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
Spain: Prof. Julio Abascal
Sweden: Dr Lars Oestreicher
Switzerland: Dr. Markus Stolze
U.K. : Gilbert Cockton
US-based: Dr. John Karat
US-based: Dr. Nahum Gershon

TC.13 CHAIRPERSONS

CHAIRPERSON TC.13: Prof. Annelise Mark Pejtersen
CHAIRPERSON WG 13.1: Prof. Paula Kotze
CHAIRPERSON WG 13.2: Prof. Jan Gulliksen
CHAIRPERSON WG 13.3: Prof. Monique Noirhomme-Fraiture
CHAIRPERSON WG 2.7/13.4: Dr. Morten Borup Harning
CHAIRPERSON WG 13.5: Professor Philippe Palanque,

TC 13 WG activities

WG 13.2 Methodologies for User Centred Systems Design

- “Human-centred software engineering: Frameworks for HCI/UCD and software engineering integration”, Edited volume by Ahmed Seffah, Michel Desmarais, and Jan Gulliksen, camera ready June 7, 2004
- UCD 2004 – Working conference (December 2004 or January 2005), Guadelope
- Figure Usability Patterns activities? Idea proposed that workshop proceedings could be compiled into a special issue of a journal

WG 13.3 HCI and disability

A proposal for a workshop was submitted to Interact 2005, Promoting Inclusive Design Policies and Strategies for HCI. This workshop is also supported by EDeAN (European Design for All e-Accessibility Network) and its Special Interest Group on Curricula. This strategy for collaboration was suggested at the AGM in Paris, July 2004.

An IFIP TC13.3 award was also proposed for Interact, and papers related to accessible technology were awaited. However, it appears that this award will take effect only in 2007.

An open call for a special journal issue is being investigated.

WG 13.4 User interface engineering

Current focus of the group is to continue the workshop series on SE-HCI integration (see <http://www.se-hci.org/bridging>). The next workshop in this series will take place along side INTERACT 2005 in Rome (September 13). It will be a 1 day workshop (further details can be found on the web-site). The workshop will be held jointly with WG13.2 and joining forces WG13.2 on issues related to SE-HCI integration because of the obvious overlap.

Next WG-meeting will also precede the INTERACT-workshop and will take place September 12.

In 2006 a meeting before CHI 2006 in Montreal is planned!

Next working group conference (EHCI) is to take place in 2007.

WG 13.5 Human error, safety and systems development

- New WG Web site URL: new web site created
http://liihs.irit.fr/IFIP_WG13.5/ (may 2005)

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

TC13 INTERACT Taskforce

Progress report, September 2005

The INTERACT taskforce was established at the TC13 meeting in Namur, Belgium, in January 2005. It comprises the following members: Judy Hammond, Fabio Paterno, Philippe Palanque, Jan Gulliksen, Gitte Lindgaard (Chair), Matthias Rauterberg (advisor), Cecilia Baranauskas and Masaaki Koruso.

The goal of the taskforce is to produce, refine, or update a set of documents and templates to assist INTERACT Chairs plan and manage future INTERACT Conferences. Since an INTERACT Conference takes place in September 2005, our efforts in the intervening months since the taskforce was established has been solely to collate and distribute existing INTERACT-related documents for review. Once INTERACT'05 has taken place, the taskforce will increase its activities to accomplish the following five goals over the next 18 months:

- Create 3-year timeline plan for preparing an INTERACT Conference including the Brian Shackel Award
- Discuss the look and feel of INTERACT Proceedings and recommend a solution to TC13
- Investigate requirements for a conference management tool and propose a policy for selecting same to TC13
- Discuss the issue of WG awards and make a recommendation to TC13
- Investigate the issue of digital libraries with IFIP