

IFIP General Assembly

August 2007 – Addis Ababa, Ethiopia

Report from Technical Committee 6 (Communication Systems)

Prof. Guy Leduc (TC6 chairman)

Date: August 14, 2007

TC6 Web page – <http://www.ifip.tu-graz.ac.at/TC6/>

1. TC6 meetings held since last report for General Assembly 2006 in Santiago de Chile

Meeting 2006/2 – Paris, France – September 29+30, 2006 (after IFIP Autonomic Networking 2006).

Attendance:

Finn Arve Aagesen	Norway
Raouf Boutaba	WG 6.6
Kiril Boyanov	Bulgaria
Augusto Casaca	Portugal
Lyman Chapin	USA, ACM
André Danthine	Belgium (Honorary member)
Sarolta Dibuz	Hungary
Dominique Gaiti	WG 6.7
Adam Grzech	Poland
Günter Haring	Austria
Villy Baek Iversen	Denmark
Arun Iyengar	USA, IEEE (+ WG 6.4)
Koos Koen	South Africa
Winfried Lamersdorf	WG 6.11
Guy Leduc	Belgium
Olli Martikainen	Finland
Lorne Mason	Canada
Elie Najm	WG 6.1
José Neuman de Sousa	Brazil
Ana Pont Sanjuan	WG 6.9
Louis Pouzin	France (Hon. member)
Ramon Puigjaner	Spain
Guy Pujolle	France (+ WG 6.2)
Peter Radford	UK
S V Raghavan	India
Harry Rudin	Switzerland
Tadao Saito	Japan
Otto Spaniol	Germany (TC6 chair)
Ioannis Stavrakakis	WG 6.3
Vilas Wuwongse	Thailand

Specially invited:

Georg Carle	
Pedro Cuenca	
Francis Lee	
Josep Sole Pareta	
Ioannis Tomkos	
Samir Tohmé	France (former TC6 delegate)

Meeting 2007/1 – Atlanta, USA – May 18+19, 2007 (after IFIP Networking 2007).

Attendance:

G. Leduc (Chair, BE)
E. Najm (WG6.1)
A. Iyengar (WG6.4, IEEE CS)
P. Cuenca (WG6.8)
J. Solé-Pareta (WG6.10)
I. Niemegeers (NL)
R. Puigjaner (Spain)
S V Raghavan (India)
H. Rudin (CH)
T. Saito (Japan)

Specially invited:

Francis Lee (Singapore, observer)

2. TC6 meetings scheduled

Meeting 2007/2 – Borovez, Bulgaria – September 28+29, 2007.

Meeting 2008/1 – Singapore (in conjunction with Networking 2008)

Meeting 2008/2 – South Africa (mid-September, in conjunction with a WG6.9 event).

3. Changes in Membership and Officers

Guy Leduc (Belgium) is the new TC6 chair (Communications Systems) since Jan. 2007.

Georg Carle (Germany) is the new WG6.2 chair (Network and Internetwork Architectures).

Pedro Cuenca (Spain) is the new WG6.8 chair (Wireless Communications).

Ioannis Tomkos (Greece) is the new WG6.10 chair (Photonic Networking) and Josep Sole Pareta (Spain) is the new vice-chair of WG6.10.

WG6.4 is currently in its renewing procedure. It is likely that Schahram Dustdar from the Vienna University of Technology will become the new WG6.4 chair if approved by TC6 in its 2007/2 meeting.

WG6.6 is also currently in its renewing procedure.

4. Inactive and ghost members

A ghost TC6 member is a member that has not shown up at TC6 meetings for much more than 2 years, or has never shown up.

Ghost full members: Andorra, Australia, China, CLEI (but attended special meeting in Santiago), Greece (but dues 2006 not paid), Korea, Singapore, Slovakia, Slovenia, Syria, Zimbabwe.

An inactive TC6 member is a member that has not shown up at TC6 meeting for at least 4 meetings (= 2 years).

Inactive full members: Chile (but dues 2006 not paid, and attended special meeting in Santiago), Italy, Oman

At its last meeting 2007/1, TC6 has decided that:

- The TC6 delegates of the following countries will be withdrawn: Andorra, Australia, China, Greece, Korea, Singapore, Slovakia, Slovenia, Syria, Zimbabwe. Moreover, TC6 suggests that Francis Lee Bu Sung becomes the new TC6 delegate from Singapore. Francis has been invited as an observer at the last TC6 meeting 2007/1 and will be the general chair of Networking 2008 in Singapore, the flagship conference of TC6.
- TC6 chair will notify the following delegates that it will act in a similar way if they do not attend the next meeting 2007/2: Italy, Oman.

My personal opinion as TC6 chair is that the nomination of delegates by National Computer Societies works poorly in most cases. It seems that many first class professors/researchers exist in many countries, but these people are simply ignored by their CS society. Also, National Delegates should not be nominated for the rest of their career (or life). A renewing process is needed to allow new blood in the TCs.

5. Missing TC6 representatives

Missing representatives for full members:

Botswana, Croatia, Cyprus, Egypt (but dues 2004+2005+2006 not paid), Ethiopia (but dues 2006 not paid), Ireland, Lithuania (but dues 2004+2005+2006 not paid), Malaysia, Mauritius, Nigeria, Russia, Sri Lanka, Zambia (but dues 2005+2006 not paid).

At its last meeting 2007/1, TC6 has decided that:

- TC6 will look for delegates for some countries with missing members: Ireland, Malaysia, and Sri Lanka.
- TC6 proposes, as in TC1, to allow for several TC6 delegates per country: the one designated by the national society, and one or several others nominated by TC6 directly.

6. TC6 governance

It was decided that TC6 should have a Chair, a Vice-Chair, a Secretary and a Treasurer. In any votes a Working Group shall have only one vote (irrespective of the number of vice- / co-chairs). Similarly for countries if we go for several delegates per country (see above).

In addition, TC6 has set up an advisory group composed of the TC6 chair (G. Leduc) and vice-chair (R. Puigjaner), Lyman Chapin (ACM), Arun Iyengar (IEEE CS), Guy Pujolle (FR) and Harry Rudin (CH). They will advise TC6 regarding publication issues (DL, TC6 journal) and conference quality control.

7. TC6 web site and wiki

EB has deferred the task of handling over to TCs the web site maintenance of TC web sites. TC6 is waiting for progress on this and would like to get control of its TC6 web site as soon as possible.

TC6 has started a Wiki environment for its internal organization.

8. New aims and scope of WG6.8

The aims and scope have been extended to include wireless sensors and actors.

9. New WG under study

A New WG on Networking and Security, jointly with TC11, is under study.

10. DCSC

It is unclear to TC6 how to use the DCSC funds available to support TC6 teaching activities in developing countries or provide student travel grants to student from developing countries to attend TC6 events.

TC6 requests that a clear procedure should be defined and circulated to TCs.

11. TC6 events

TC6 continues to be active in organising conferences, working conferences and workshops.

TC6 appreciates the new IFIP Event Request Forms.

For TC6, competition with ACM SIGCOMM and IEEE Communications Society, in particular, is very hard. IFIP is virtually unknown in the US, or when known its reputation is weak, probably also because the best people are not always members of IFIP TCs and WGs.

ACM and IEEE have good digital libraries and good reputation in general, and they help organizers. IFIP publications in the IFIP book series are merely write-only publications without impact. IFIP-LNCS is better, but the Springer Digital Library is expensive, which reduces the impact of IFIP publications.

All in all, times are hard, and many organizers are most often interested in IFIP co-sponsorship (rarely main or full sponsorship) and therefore avoid the IFIP fee and the IFIP publication channel.

If IFIP gets less revenue from events proceeds and if royalties are also decreasing (given the open access trend), another business model is urgently needed.

Events held since last GA meeting:

PWC 2006; 11th Conference on Personal Wireless Communications;
WG 6.8
20 - 22 September, 2006; Albacete, Spain;
Contact: Pedro Cuenca, pedro.cuenca@uclm.es

12th EUNICE Open Summer School 2006 (EUNICE 2006);
WG 6.4 + WG 6.3
September 18-20, 2006, Stuttgart, Germany.
Contact: Paul Kühn, University of Stuttgart <kuehn@ikr.uni-stuttgart.de>
URL: <http://www.ikr.uni-stuttgart.de/eunice2006/>

APNOMS 2006;
WG 6.6;
27-29 September 2006;
Busan, Korea;

Autonomic Networking 2006
WG 6.2 + 6.6 + 6.7
25-29 September, Paris
Contact: Guy Pujolle Guy.Pujolle@lip6.fr
URL: www.autonomic-net.org

Smartnet 2006 (Part of Autonomic Networking 2006)
WG 6.2 + 6.6 + 6.7
25-29 September, Paris
Contact: Olli.Martikainen@etla.fi
URL: www.autonomic-net.org

Intellcomm 2006 (Part of Autonomic Networking 2006)
WG 6.2 + 6.6 + 6.7
25-29 September, Paris
Contact: [Dominique Gaiti](mailto:dominique.gaiti@utt.fr) <dominique.gaiti@utt.fr>
URL: www.autonomic-net.org

WAC 2006 (Part of Autonomic Networking 2006)
WG 6.2 + 6.6 + 6.7
25-29 September, Paris
Contact: Guy Pujolle Guy.Pujolle@lip6.fr

URL: www.autonomic-net.org

FORTE 2006;
WG 6.1
26-29 September, 2006;
Paris, France
Contact: Jean-François Pradat-Peyre <peyre@cnam.fr>
URL: <http://forte2006.cnam.fr/>

2006 John Vincent Atanasoff International Symposium on Modern Computing,
3-6 October 2006, Sofia (Bulgaria).
Contact: Kiril Boyanov boyanov@acad.bg
URL: <http://www.atanasoff.org/ismc06>

I3E 2006; 6th IFIP conference on E-Commerce, E-Business, E-Government.
WG 6.11 + TC 8 + TC11.
11 - 13 October 2006; Turku, Finland;
Contact: Reima.Suomi@tukkk.fi
URL: <http://www.tukkk.fi/i3e/home.html>

CMS 2006; 10th Joint IFIP TC6 and TC11 Open Conference on Communications and Multimedia Security
19-21 October 2006, Heraklion, Greece
Contact: Herbert Leitold Herbert.Leitold@a-sit.at.
URL: <http://www.ics.forth.gr/cms06>

MANWEEK 2006 (Combined: MMNS, DSOM, IPOM, MACE, AGNM)
WG6.6; 23-27 October 2006; Dublin, Ireland;
Contact: Willie Donnelly and John Strassner
URL: <http://www.manweek2006.org>

Middleware 2006;
WG 6.1; ACM; USENIX
November 21 - December 1, 2006; Melbourne, Australia.
URL: <http://2006.middleware-conference.org/>

WONS 2007; 4th Working Conference on Wireless On-Demand Network Systems
WG 6.3 + 6.8;
Jan 2007; Obergurgl, Austria
Contact Person: Renato Lo Cigno, Ernst Biersack, Sven Hessler, Thomas Ziegler, Michael Welzl

4th NGN Workshop (Services, Control, and Transport Technologies in Next
Generation networks)
WG 6.2;
18 - 20 January; La Paz, Baja, (Mexico)
Contact: Guy Pujolle Guy.Pujolle@lip6.fr, Harry Perros <hp@csc.ncsu.edu>

WiOpt 2007; Modeling and Optimization in Mobile, AdHoc and Wireless Networks;
WG 6.3 + IEEE
April 16-20, 2007; Limassol, Cyprus
URL: <http://www.wiopt.org>

NTMS 2007; New Technologies, Mobility and Security 2007;
TC6; ENST Paris; IEEE France Section 8, Com Soc;
30 April - 3 May 2007; New location: Paris (France)!!;
Contact: Dr. Houda Labiod labiod@enst.fr
URL: <http://www.nmts2007.org>

WWW 2007; 16th International World Wide Web Conference;
WG 6.4;
May 8-12, 2007; Banff, Canada,
Contact: Arun Iyengar <aruni@us.ibm.com>
URL: <http://www2007.org>

Networking 2007;
WG 6.3 + 6.2 + 6.8;
14-18 May, 2007; Atlanta, US;
Contact: Ian Akyildiz <ian@ece.gatech.edu>
URL: <http://www.ifip-networking07.org/>

IM 2007; 10th IFIP/IEEE International Symposium on Integrated Network Management;
WG6.6
21-25 May 2007; Munich, Germany
Contact: Gabi Dreo Rodosek, University of Federal Armed Forces, Germany
URL: <http://www.im2007.org>

WG 6.6 + IEEE CNOM;
Co-located with the Tele-Management World (TMW)

ONDM 2007; 11th Optical Network Design and Modeling Conference;
WG 6.10 + ePhoton/One + COST 291;
29 – 31 May, 2007; Athens (Greece);
Contact: Ioannis Tomkos itom@ait.edu.gr
URL: www.ondm2007.gr

FMOODS'07; 9th IFIP International Conference on
Formal Methods for Open Object-Based Distributed Systems
WG 6.1;
5 – 8 June 2007;
Paphos, Cyprus;
Contact: George A. Papadopoulos, Univ. of Cyprus
URL: <http://www.liacs.nl/home/marcello/FMOODS/index.htm>

DAIS'07; 7th IFIP International Conference on
Distributed Applications and Interoperable Systems
WG 6.1;
5 – 8 June 2007;
Paphos, Cyprus;
Contact: George A. Papadopoulos, Univ. of Cyprus
URL: <http://www.discotec07.cs.ucy.ac.cy/DAIS/index.htm>

NET-COOP 2007; International Conference on Network Control and Optimization:
5 – 7 June 2007; Avignon (France);
Contact: Jorma Virtamo (HUT, Finland)

FORTE 2007; 27th IFIP WG 6.1 International Conference on Formal Methods for Networked and
Distributed Systems;
(co-located with Testcom)
WG 6.1 + Institute of Cybernetics at Tallinn University of Technology and the Department of
Computer Science, Tallinn University of Technology
27-29th June 2007
Tallinn, Estonia
Contact: Jüri Vain <vain@ioc.ee>
URL: <http://cs.ttu.ee/FORTE07/index.html>

Testcom 2007; 19th IFIP International Conference on Testing Communicating Systems;
(co-located with FORTE);
WG 6.1
27-29th June 2007 Tallinn, Estonia
Contact: M. Veanes, Microsoft, US; margus@microsoft.com

12. IFIP Publications – Digital Library – Open Access

Springer

TC6 has published many of its conference proceedings in Springer LNCS and later in IFIP-LNCS. For many organizers the difference between these two series is completely unclear. And this is also true for many WG chairs and conference steering committee members. With IFIP-LNCS, IFIP keeps the copyrights, but the proceedings are more expensive. Sometimes Springer sends the wrong copyrights transfer form to the organizers (LNCS instead of IFIP-LNCS) and then the copyrights are transferred to Springer. Even worse, for one of our conferences (DAIS), Springer published the proceedings under Springer copyrights while the copyrights had been transferred to IFIP (under IFIP-LNCS).

Open Access

TC6 fully supports open access and seeks to create an Open Access Journal on Networking, starting with extended versions of the best papers published in TC6 conferences, but without excluding an open call from the outset.

TC6 urges IFIP to step forward in the direction of an Open Access Digital Library.

Digital Library

IFIP should request that the copyright period in the Springer-IFIP publication agreement becomes at most 18 months, instead of 5 years.

IFIP should launch a procedure to make all its publications automatically available in an open access Digital Library when the 18-month period is over. For example, we could transfer all our proceedings into Google Scholar after 18 months. If there is no copyrights problem, Google is likely to be willing to do it. This should be considered by the IFIP publication committee.

IFIP should find a business model, whereby IFIP gets no longer revenues from book royalties.

IFIP should seek funding from UNESCO to support its Digital Library in order to give access to information technologies to all countries in the world, and especially developing countries.

13. TC6 plan for Digital Publication of TC6 conference/workshop proceedings

Goal:

Free Web access to the papers of conferences and workshops sponsored by TC-6.

Background Consideration:

According to IFIP's copyright agreement with the publisher, authors are allowed to put a copy of their paper on their own Web site.

TC-6's Immediate Plan:

TC-6 will make Web pages freely available for each of its conferences and workshops. These Web pages will list all of the papers belonging to each event.

By "clicking" on the title of one of the papers, one will be connected to the version of the paper available on the author's Web site.

TC-6 gives authors instructions on the preparation of manuscripts. In the future additional information will be given regarding the above including how to include metadata to make it easier for search engines to find a particular paper.

TC-6 is actively looking for a partner to undertake an initial experiment.

Future Developments:

TC-6 feels that, in the long term, the development of such an open digital library is inevitable.

TC-6 is in a position to start **now**. Neither ACM nor IEEE has an incentive to do this; in fact both organizations earn a great sum from their Digital Library or Explore systems. IFIP could (and should!) lead the pack.

TC-6 will also explore whether Google, for example, would host our site, allowing Google to place appropriate ads with a financial return to TC-6 to compensate for our declining book publication royalties.

Further Considerations:

There may be a problem with **outdated URLs**. We feel this is temporary since, in a few years' time, all the papers will be on an IFIP or TC-6 Web site. In any case it is in the best interests of our authors that they notify TC-6 in the event of a change of URL.

It would be wise to add a link (URL) to the official version (now Springer's) of the paper in the conference proceedings.

To increase TC-6's service to our readers (and IFIP's visibility) we might add a facility for discussion of selected papers at a later date.

The outcome of such an experiment will help determine the future of technical publishing. It would be exciting for IFIP to run such an experiment.

Prof. Guy Leduc
(TC 6 chair)