


48th IFIP WG 10.4 Meeting
Hôtel de Yama, Hakone, Japan
Friday July 1 – Tuesday July 5, 2005



Monday July 4, 2005

Agenda

- IEEE/IFIP DSNs - DSN-2005, DSN-2006, DSN-2007
- IEEE Trans. on Dependable and Secure Computing
- Future WG Meetings — 49, , ...
- SIG on Dependability Benchmarking
- TC-10 Conference at WCC'2006
- Other Supported Events
- Part restricted to WG members

IEEE/IFIP International Conference on Dependable Systems and Networks



Yokohama, Japan (June 28 - July 1, 2005) - **353 Attendees!**



Philadelphia, PA, USA (June 25-28, 2006)

- ◆ General Chair: **Chandra Kintala** (Stevens Inst. of Technology, Hoboken, NJ, USA)
- ◆ Conference Coordinator: **David Taylor** (Univ. of Waterloo, Canada)
- ◆ DCCS Program Chair: **Lorenzo Alvisi** (University of Texas, Austin, USA)
- ◆ PDS Program Chair: **Aad Van Moorsel** (University of Newcastle Upon Tyne, UK)



Edinburgh, Scotland (June 25-28, 2007)

- ◆ General Chair: **Tom Anderson** (University of Newcastle Upon Tyne, UK)
- ◆ Conference Coordinator: **Mohamed Kaâniche** (LAAS-CNRS, Toulouse, France)
- ◆ DCCS Program Chair: **Zbigniew Kalbarzyck** (Univ. of Illinois Urbana-Champaign, USA)
- ◆ PDS Program Chair: **Peter Buchholz** (TU Dortmund, Germany)

Anchorage, AL, USA (TBD, 2008)

- ◆ General Chair: **Phil Koopman** (Carnegie Mellon University, Pittsburgh, PA, USA)

IEEE Transactions on Dependable and Secure Computing

<http://computer.org/tdsc>

- Second Year

- Two Special Issues:
 - ◆ “Oakland 2005” (IEEE Symp on Security & Privacy, May 2005)
 - ◆ DSN-2005 (DCCS & PDS)

- Think of submitting a paper!

(Some) Proposals for Workshop Topics

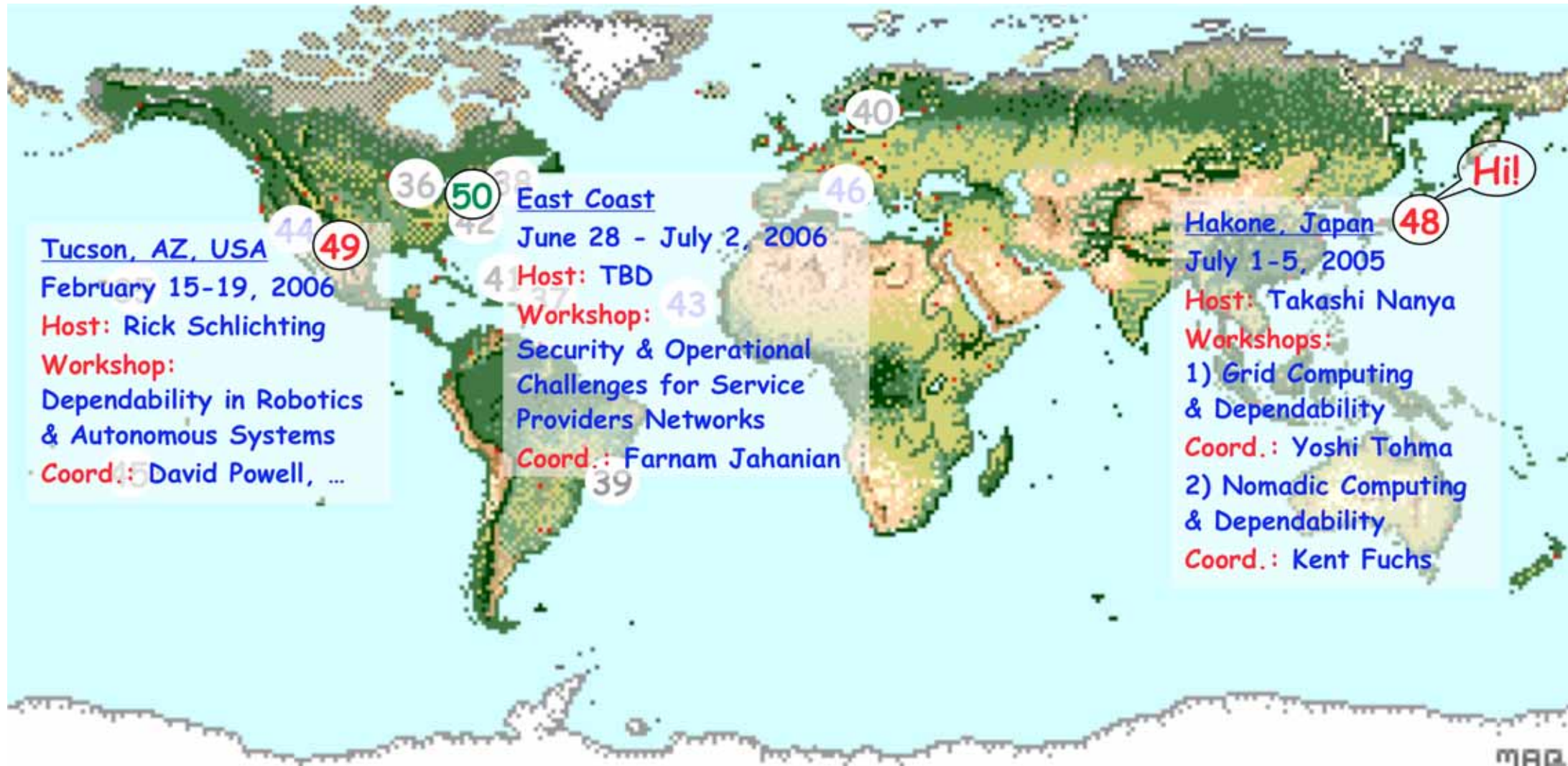
- **Grid Computing and Dependability** (Yoshi)
- **Nomadic Computing and Dependability** (Kent)

- **Dependability in Robotics and Autonomous Systems** (David,...)
[Possibly in connection with Int. Advanced Robotics Programme WG on Robot Dependability]
—> **49th meeting - linked to DCCS-2006 PC Meeting**
- **Security and Operational Challenges for Service Providers Networks** (Farnam)
—> **50th meeting - linked to DSN-2006**
- **Software Dependability** (Karama,...)
- **Critical Infrastructures** (Carl, Bill,...)
- ...

Major Workshop Topics

distributed computing, parallel computing, real-time systems, certification of dependable systems, specification methods, design diversity, specification and validation of hard dependability requirements, methodologies for experiments, VLSI testing and fault tolerance, hardware- and-software testing and validation, fault tolerance in new architectures, communication networks, algorithms for distributed agreement, cars and computers, accidental vs. intentional faults, robotics and dependability, limits in dependability, avionics and dependability, dependability issues in medical computing, security and dependability, tools for dependable system design and evaluation, railway safety, safety cases, dependability in automotive electronics, computer systems benchmarking with applications to dependability, time and dependability, dependability, survivability, and integrity in e-commerce transactions and infrastructure, dependability benchmarking, utilization of formal methods in dependable systems, challenges and directions for dependable computing, dependability and survivability, middleware for adaptivity and dependability, measuring assurance in cyberspace + hardware design and dependability, open source and dependability, human computer interaction and dependability, autonomic web computing, grid computing and dependability + nomadic computing and dependability, ...

Future Meetings



51 Open (Mexico, India ?)

52 Scotland: Shore of Loch Lomond

Next ?

1981-1985: Al Avižienis
Alain Costes

1986-1995: Jean-Claude Laprie
John Meyer
Yoshi Tohma



1996-1998: Hermann Kopetz
Jacob Abraham
Hirokazu Ihara

1999-2005: Jean Arlat
Takashi Nanya
Bill Sanders

SIG'DeB

http://www.ece.cmu.edu/~koopman/ifip_wg_10_4_sigdeb

- Panel held at DSN-2005
- Next SIG Meeting : November 8, 2005
 - > Workshop on Dependability Benchmarking organized jointly with ISSRE-2005, Chicago, IL (8-11 Nov., 2005)

TC-10 Conference at IFIP WCC-2006

Biologically Inspired Cooperative Computing

- Chairs: **Franz Rammig** (U. Paderborn-Chair TC10) & **Mauricio Solar** (U. Santiago Chile)
- Program Chairs: **Yi Pan** (U. Georgia) & **Hartmut Schmek** (U. Karlsruhe)
- Not bio-informatics -> Four Streams:
 - (1) Modelling and Reasoning about Collaborative Self-Organizing Systems (10.1)
 - (2) Collaborative Sensing and Processing Systems (10.3)
 - (3) **Dependability of Collaborative Self-Organizing Systems (10.4)**
 - (4) Design and Technology of Collaborative Self-Organizing Systems (10.5)

■ PC (to include)

Wolfgang Nebel	Freiburg	Germany	Deborah Estrin*	Los Angeles	USA
Henk Sips	Delft	The Netherlands	Bernhard Sendhoff*	Offenbach	Germany
Albert Y. Zomaya	Sydney	Australia	Jean Arlat	Toulouse	France
Stephan Olariu	Norfolk	USA	Kim Kane	Irvine	USA
Ivan Stojmenovic	Ottawa	Canada	Eliane Martins	Campionas	Brasil
Johnnie Baker	Kent	USA	Roy A Maxion	Pittsburgh	USA
Ricardo Reis	Porto Alegre,	Brasil	Takashi Nanya	Tokyo	Japan
Marco Dorigo*	Brussels	Belgium	William H. Sanders	Urbana	USA
Xiaodong Li*	Melbourne	Australia	Richard D. Schilchting	Florham Park	USA
Luca M. Gambardella*	Manno-Lugano	Switzerland	Charles Rattray	Stirling	UK
Daniel Polani*	Hatfield	UK	Jochen Pfalzgraf	Salzburg	Austria
Christian Müller-Schloer*	Hannover	Germany	Leslie S. Smith	Stirling	UK

* To be confirmed

Other (in cooperation) Events

- **WORDS-2005** (10th Int. Workshop on Object-oriented Real-time Dependable Systems), Sedona, AZ, USA, February 2-4, 2005 — <http://asusrl.eas.asu.edu/srlab/activities/words05/words05.htm>
- **EDCC-2005** (5th European Dependable Computing Conference), Budapest , Hungary, April 20-22, 2005 — <http://sauron.inf.mit.bme.hu/EDCC5.nsf>
- **4th IARP/IEEE-RAS/EURON** Workshop on Technical Challenges for Dependable Robots in Human Environments, Nagoya, Japan, June 16-18, 2005

- **SAFECOMP-2005** (24th International Conference on Computer Safety, Reliability and Security, Fredrikstad, Norway, **September 28-30, 2005** — <http://www.safecomp.org>
- **LADC-2005** (2nd Latin-American Symposium on Dependable Computing), Salvador, Bahia, Brazil, **October 25-28, 2005** — <http://www.lasid.ufba.br/ladc2005>
- **PRDC-2005** (11th Int. Symp. Pacific Rim Dependable Computing), Changsha, China, **December 12-14, 2005** — <http://sc.hnu.cn/newweb/communion/prdc2005/presentation.htm>
- **SAFECOMP-2006** (25th International Conference on Computer Safety, Reliability and Security, Gdansk, Poland, **September, 27-29 2006**
- **EDCC-2006** (6th European Dependable Computing Conference), Coimbra, Portugal, **October 14-17, 2006** — <http://edcc.dependability.org>