

55th IFIP WG 10.4 Meeting

Cortina d'Ampezzo

January 27-31, 2009



**Business
Meeting**

Friday, January 29, 2009

Agenda

- IEEE/IFIP DSNs - DSN-2009, DSN-2010 ...
- Future WG Meetings — 56, 57, 58, 59 ...
- In-cooperation events
- Membership (members only)

IEEE/IFIP International Conference on Dependable Systems and Networks



Lisboa, Portugal (2009)

- ◆ General Chair: **Paulo Verissimo** (Univ of Lisboa, Portugal)
- ◆ Conference Coordinator: **Andrea Bondavalli** (Univ of Firenze, Italy)
- ◆ DCCS Program Chair: **Matti Hiltunen** (AT&T Labs-Research, USA)
- ◆ PDS Program Chair: **Felicita di Giandomenico** (ISTI-CNR, Italy)
- ◆ Total submissions: 260 = 177 (DCCS) + 83 (PDS)
- ◆ Total accepted:??

Chicago, Illinois, USA (2010)

- ◆ General Chair: **Farnam Jahanian** (Univ of Michigan)
- ◆ Conference Coordinator: **David Taylor** (Univ of Waterloo, Canada)
- ◆ DCCS Program Chair: **Christof Fetzer** (TU-Dresden, Germany)
- ◆ PDS Program Chair: **Mohamed Kaaniche** (LAAS-CNRS, France)

Hong Kong, China (2011)

- ◆ General Chair: **Michael Lyu** (Chinese University of Hong Kong)

DSN 2010 – Chicago





Chicago

- **Cultural Pursuits:** Several first-rate museums and art galleries in the downtown area: Field Museum of Natural History, Shedd Aquarium, Museum of Science and Industry, Adler Planetarium, Museum of Contemporary Art, Chicago Art Institute, Chicago Children's Museum
- **Architectural Landmarks:** Known for its landmark attractions and great architecture
 - Sears Tower, The Hancock Observatory, Navy Pier, Magnificent Mile, Millennium Park
 - Chicago Architecture Foundation River Cruise is an impressive guided tour of Chicago's landmark architecture
 - Numerous historically significant and newly constructed **Sports-Concert-Theatre** venue
- **Tours:** "By foot, bus, boat or plane -- on the land, lake, river or in the sky -- you can tour all of Chicago from its famous landmarks to its world-renowned cultural institutions and attractions." ART Loop, Landmark Loop, and Theater Loop.

DSN 2010 Update

- DSN Conference: June 28 – July 1
- IFIP Meeting: June 24 – June 27
- Conference location:
 - Downtown Chicago
 - N. Michigan Ave. and North of River

- IEEE very slow in negotiating with the hotels
 - Received bids from 3 major hotels
 - Room rate about \$200 per night – negotiation still pending



DSN 2010 Update

- Next steps:
 - Finalize date and hotel by mid-march
 - Submit conference budget to IEEE for approval
 - Work with Steering Committee to appoint remaining organizing committee members including finance, publicity and fund-raising chairs

Transportation

- O'Hare International served by 40+ airlines; direct flights to hundreds of cities in the Americas, numerous European and Asian cities
- Chicago transit including elevated / subway train lines; free trolleys; pedestrian walkway system of tunnels and bridges



Pack whichever shoes you like.
No one in Chicago looks down at their feet.



Water Tower and John Hancock Building

Make no little plans.SM choose CHICAGO

Future Working Group Meetings



56 Portugal (summer 09)

58 Chicago (summer 10)

60 HK/Taiwan (summer 11)

57 Japan (winter 10)

59 ??? (winter 11)

56th Meeting (summer 2009)

- Location: Obidos, Portugal
- Hosts: Henrique Madeira, Paulo Verissimo
- Workshop: Experimental Methods, Roy Maxion

Summer 2009 IFIP WG 10.4 meeting

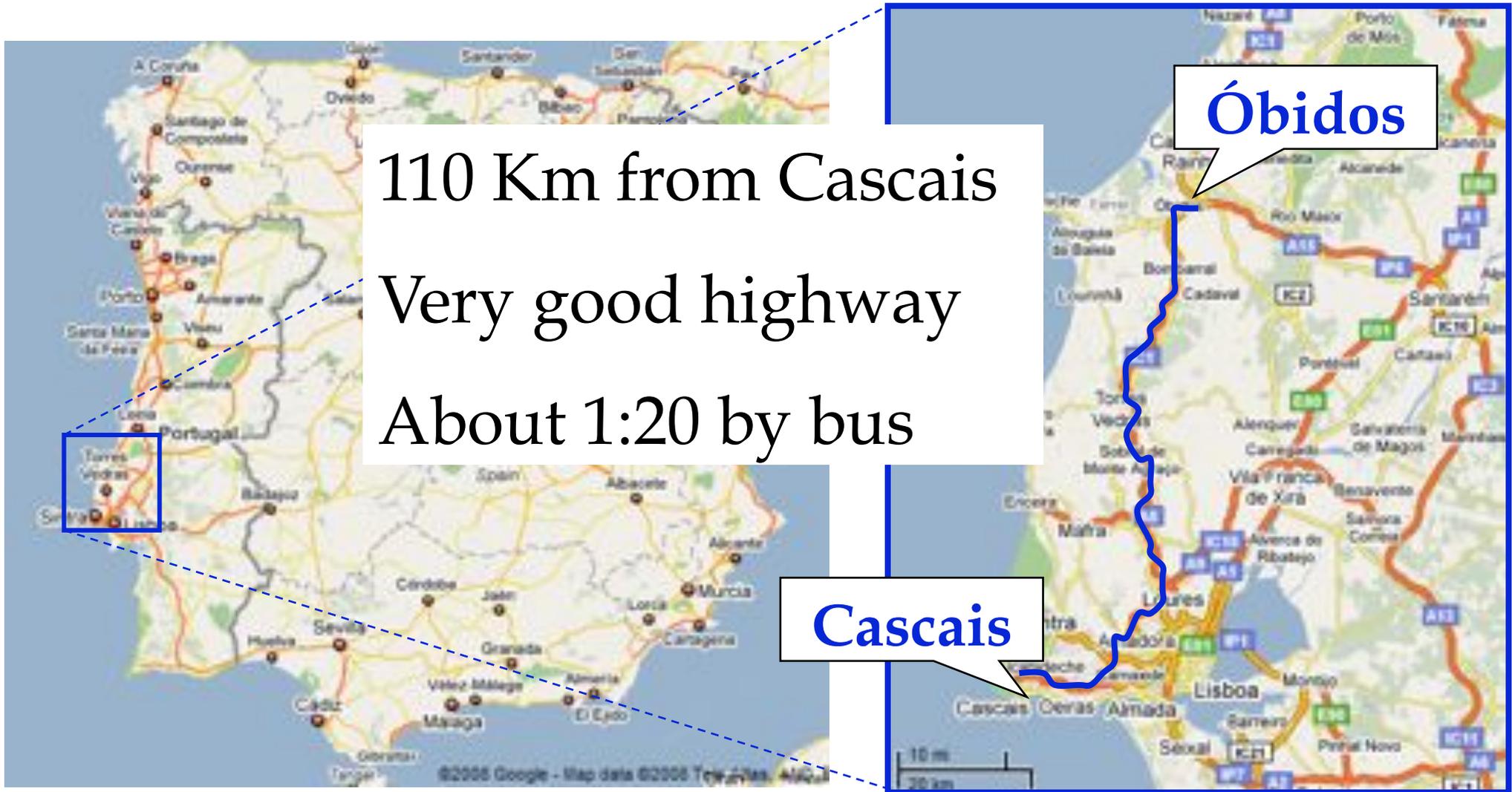
Óbidos, Portugal



Local organizers: Henrique Madeira and Paulo Veríssimo

Workshop organizer: Roy Maxion

How to reach Óbidos



Óbidos

- Founded in 308 B.C. by the Celts.
- Then came the Romans, and the Visigoths, and the Moors, ...
- King Afonso Henriques took Óbidos from the Moors in 1148.
- Today is a beautifully well preserved medieval town

[See Photos](#)

The hotel

- **Hotel Real de Óbidos** (4 star)
- Built from a classified 14th century house
- Decorated in a medieval style with suits of armour, tapestries, iron furniture and dark woods
- Small hotel: **we will have the hotel entirely reserved for us**
- Extra rooms will be available in **Estalagem do Convento** (4 star) in a contiguous building. The style and quality is nearly the same as hotel Real de Óbidos.
- Just in case... a block of 10 extra rooms are also reserved in a third hotel (Casa das Senhoras Rainhas, at about 60 meters from the hotel Real de Óbidos)

[See Photos](#)

Hotel Prices

- Hotel Real Óbidos
 - ◆ Single **105 Euros**
 - ◆ Double **110 Euros**
- Estalagem do Convento
 - ◆ Single **85 Euros**
 - ◆ Double **100 Euros**
- Hotel Casa das Senhoras Rainhas
 - ◆ No final prices yet: **~110 Euros**

Registration

- Registration: **350 Euros**
- Includes:
 - ◆ Bus from DSN venue to Óbidos
 - ◆ Bus from Óbidos to Lisbon on July 5th, after lunch
 - ◆ All meals except the dinner on July 3rd
 - ◆ Excursion on July 4th (afternoon)
 - ◆ Banquet on July 4th
 - ◆ ... a few good surprises...

~~Excursion~~

Óbidos → Alcobaça → Batalha → Nazaré → Falca (banquet)? → Óbidos

Start at 15:00; return at 23:00 if banquet in Falca or at 19:30 if banquet in Óbidos



Meeting dates and possible agenda

- July 2nd: Welcome reception at 19:00
- July 3rd: Workshop day one
- July 4th: Workshop during the morning
Excursion in the afternoon and evening
Banquet
- July 5th: Workshop + business meeting + research reports
(No problem in having a session after lunch on July 5th and return to Lisbon at 16:30)

57th Meeting (winter 2010)

- Location: Ishigaki, Japan
- Workshop: Dependable Operating Systems

IFIP WG10.4 Winter Meeting

Ishigaki Island, Japan

January 2010

Ishigaki Island, Japan

- Climate
 - Average temp. in January: 18°C
- Activities
 - Sea
- Culture
 - Native



2 Options

- Primary:
 - Club Med, Kabira
- Backup:
 - Continental Hotel (ANA)
- Why?
 - Price negotiation



Club Med



Intercontinental



5 mi
5 km

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Club Med Kabira, Ishigaki

40' by Bus from Ishigaki Airport

Rates (tentative)

Single, 3 meals: 29,000 yen

Double, 3 meals: 19,000 yen



Premium “All Inclusive” System

-All meals and various drink including Wine, Beer, Japanese “AWAMORI” at Restaurant

-Snacks and various Drink including Alcohol at Bar

-Various Sports Facilities and Program with Lesson

-Activities and Programs as Free of charge

●Tennis ●Archery ●Aerobics ●Squash ●Mountain Bike with Lesson ●Flying Trapeze
●Ping pong ●Windsurfing ●Snorkeling ●Boat trip for Snorkeling ●Water Aerobics ●Sea
Kayaking ●Stretching ●Main Dining ●Bar ●Theatre ●Swimming Pool ●Conference
Room ●Weight Training Room ●Mini Club ●Junior Club



Hotel Intercontinental (formerly ANA)

- Location: 5' from airport
- Rates (tentative)
 - Single, 2 meals: 30,500 yen
 - Double, 2 meals: 17,600 yen
- Activities
 - Few
 - Ishigaki city nearby

Comparison

	Price (JPY)	Me als	Transp.	Activities
Club Med	Single: 29,000 Double: 19,000	3	40 min.	Resort type
Inter-continental	Single: 30,500 Double: 17,600	2	5 min.	Hotel type

- **Registration fee: < 10,000 yen**
- **Option:**
part of hotel fee to be included in registration fee

Transportation

- EU \Leftrightarrow Osaka \Leftrightarrow Okinawa \Leftrightarrow Ishigaki
- USA \Leftrightarrow Tokyo \Leftrightarrow Okinawa \Leftrightarrow Ishigaki

- From EU: one night stay in Osaka after the meeting
- From USA: one night stay in Tokyo before the meeting

which we always do when we attend IFIP meetings !

Meeting Format

- Usual
 - Day 0: Reception (evening)
 - Day 1: Workshop
 - Day 2: Workshop + business meeting
 - Day 3: social
 - Day 4: Research reports (morning)
- Dates
 - Around mid-January 2010
 - (finalized March~June 2009)

Workshop Theme

“Dependable Operating Systems”

- Local guest speakers
 - Research project “Dependable Embedded OSes”
 - led by Mario Tokoro (President; Sony Computer Science Labs)
 - JST-funded strategic program
 - About 1/2 of external guests
- Workshop organizer:
 - Xavier & Takashi

Question

- Tentatively:
 - Who plans to attend Ishigaki 2010?

58th Meeting (summer 2010)

- Location: near Chicago
- Workshop: 2 proposals

58th IFIP WG 10.4 Meeting Update

Currently exploring three options:

- Downtown Chicago
 - Stay at a different hotel from DSN
 - Convenient access to all Chicago landmarks
 - Options for excursion include Ravinia
- Resort on the eastern shore of Lake Michigan
 - 4- to 5-hour drive from Chicago
 - Lovely beaches and outdoor activities
- Northwestern University, Evanston, Illinois
 - Less than 20 miles from downtown Chicago
 - Located on the western shore of Lake Michigan

Dependable Computing and Emerging Hardware Technologies

- Organizers: Johan and Jean (+ ...)
- Top-Down: "More Moore" — Bottom-Up : "Beyond Moore"
- Manufacturing process variations & yield degradation
- Hardware verification
- Processor architectures (scalar -> multicore)
- FPGAs: design (SW) & susceptibility issues (static RAM)
- "Beyond CMOS" technologies: Atomic assemblies of nanoscale technologies, nanowires, carbon nanotubes, molecular...
- Application-related issues (embedded systems)

Workshop at DSN-2009

- Third Workshop on Dependable and Secure Nanocomputing
Workshop Day: Monday June 29, 2009
- Organizers: Jean Arlat, Cristian Constatinescu,
Johan Karlsson, Michael Nicolaidis, Ravi Iyer
- Linked to the 15th IEEE Int. On-Line Testing Symp. (IOLTS)
June 24-27, 2009 (near Lisbon)
- Important dates
 - ◆ Submission deadline: March 16, 2009
 - ◆ Author notification: April 20, 2009
 - ◆ Camera ready copy: May 11, 2009

IFIP WG 10.4 Workshop on Failure Diagnosis

Priya Narasimhan
Carnegie Mellon University

Neeraj Suri
TU Darmstadt



Motivation

- **Systems are getting larger, more complex**
- **Industry is actively worrying about the ability to understand and analyze these systems**
 - Most of all, to be able to determine the root-cause of failures in an accurate and timely manner
- **Area: Involves multiple disciplines: Dependability +**
 - Machine learning, data mining, signal-analysis, compiler theory, systems, performance analysis,
- **Community interest: Many conferences are focusing on this topic**
 - SOSP, OSDI, NSDI, SIGCOMM, SIGMETRICS
 - Some even have dedicated sessions with strong industry participation
 - Many of these industries have paired up with academia in arriving at the solutions, and then applying them in the real world
- **Opportunity for the IFIP community to impact industrial practice if we show our leadership and active interest**

Purpose of Workshop

- **Bring together industry and academic researchers to discuss this area**
- **Potential industry participation/speakers**
 - Data-center driven industries
 - IBM, Google, HP, Microsoft, Amazon, Facebook, Yahoo!
 - Telecom: AT&T Labs, Portugal Telecom
 - Automotive: General Motors
 - Other industries? Suggestions?
- **Academic participation**
 - Researchers within the DSN community
 - Researchers outside the DSN community (in machine-learning, for example)
- **Targeted outcomes**
 - Articulation of research challenges in this space
 - Understanding of current state-of-the-art (industry & academic) and what is lacking
 - Connections with industries that have real data-sets of interest to us
 - Case studies from industries with real-world problems in this area
 - Increased external awareness of IFIP activity and leadership in this space

59th Meeting (winter 2011)

- Location: ??
- Workshop: ??

In-Cooperation Events

- SRDS-2008 (27th Symp on Reliable Distributed Systems), Naples, Italy, Oct 6-8, 2008.
- LADC-2009 (4th Latin American Symp on Dependable Computing), Joao Pessoa, Brazil, September 2009.
- EDCC
- PRDC

(Some) Upcoming Events

- 12th European Workshop on Dependable Computing, (EWDC), Toulouse, France, May 14-15, 2009 [<http://www.laas.fr/EWDC2009>]
-> Deadline 18 Feb. 2009
- 4th Latin-American Symposium on Dependable Computing, João Pessoa, Paraíba, Brazil, September 1-4, 2009 [<http://www.sbc.org.br/ladc>]
- 15th IEEE PRDC Symp., Shanghai, China, November 16-18, 2009 [<http://prdc09.shu.edu.cn>]
- 8th European Dependable Computing Conference, Valencia, Spain, Spring 2010 [<http://edcc.dependability.org>]