

**51st IFIP WG 10.4 Meeting**  
**Karibea Beach Resort Gosier, Guadeloupe**  
*Wednesday January 10 — Sunday January 14, 2007*



**Friday, January 12, 2007**

# Agenda

- IEEE/IFIP DSNs - DSN-2007, DSN-2008, ...
- Future WG Meetings — 52, 53, 53, ...
- SIG on Dependability Benchmarking
- TC-10 Conference at IFIP WCC-2006
- Other Supported Events

# IEEE/IFIP International Conference on Dependable Systems and Networks



## 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, Alaska, USA (June 24-27, 2008)

- ◆ General Chair: **Phil Koopman** (Carnegie Mellon University, Pittsburgh, PA, USA)
- ◆ Conference Coordinator: **Henrique Madeira** (University of Coimbra, Portugal)
- ◆ DCCS Program Chair: **Neeraj Suri** (TU Darmstadt, Germany)
- ◆ PDS Program Chair: **Kim Keeton** (HP Labs, USA)

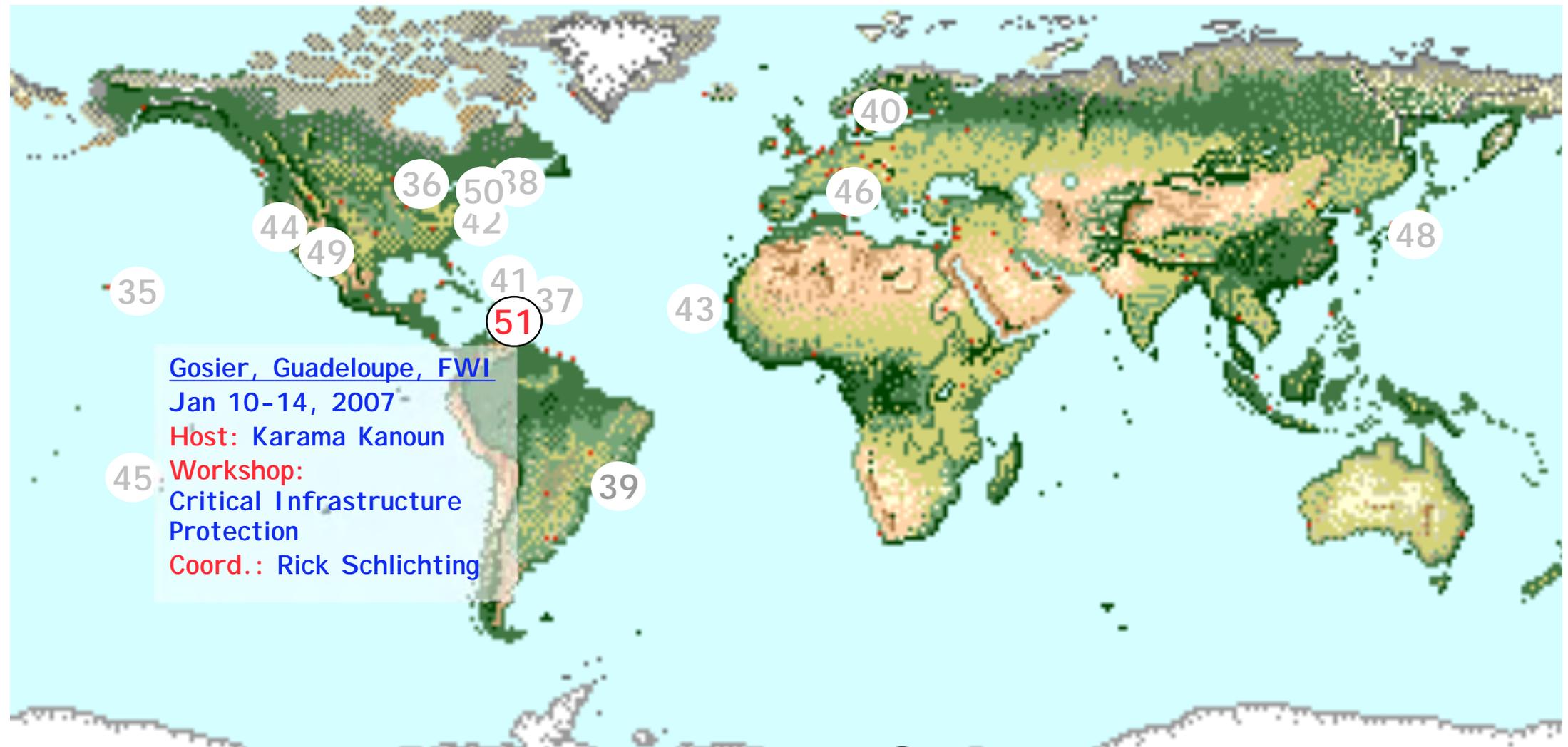
## Lisboa, Portugal (2009)

- ◆ General Chair: **Paulo Verissimo** (Univ of Lisboa, Portugal)

## Chicago, Illinois, USA (2010)

- ◆ General Chair: **Farnam Jahanian** (Univ of Michigan)

# Future Working Group Meetings



- 52 Scotland (summer 07)
- 53 Open (winter 08)
- 54 Alaska (summer 08)
- 55 Open (winter 09)
- 56 Portugal (summer 09)
- 57 Open (winter 10)

# 52nd Meeting (summer 2007)

- Near Edinburgh, UK following DSN
- Host: Tom Anderson, Univ of Newcastle upon Tyne

# IFIP WG 10.4 52<sup>nd</sup> meeting Summer 2007

Houstoun House  
Livingston  
(eight miles west of Edinburgh)

Friday June 29 – Monday July 2, 2007

Host: Tom Anderson, University of Newcastle

# Venue

- Houstoun House
  - only 30 minutes from DSN 2007
  - *very* convenient for Edinburgh airport
  - <http://www.macdonaldhotels.co.uk/houstounhouse/>
- Traditional style Scottish country mansion
  - meeting and leisure facilities
  - contract signed

# Houston House



# Outline programme

- **Thursday 28 June**
  - Welcome reception and dinner (7.30 for 8)
- **Friday 29 June**
  - Workshop - full day
  - Evening free - possible whisky tasting option
- **Saturday 30 June**
  - Excursion - full day (mid-morning departure)
    - Falkirk Wheel, distillery visit, heritage site
  - Evening - dinner on Royal Yacht Britannia
    - Dress code - dinner jackets or lounge suits; ladies accordingly
- **Sunday 1 July**
  - Workshop - full day
  - Evening - dinner in hotel
- **Monday 2 July**
  - Research reports - end at lunch-time

# Dinner venue

## The Royal Yacht “Britannia”



# The Royal Yacht “Britannia”





The State Dining Room

# Britannia

- Launched 1953, decommissioned 1997
- Length 125m, draft 5.2m
- Displacement 4,790 tonnes
- Steam turbine propulsion; 9,000 kW
- Maximum speed 22.5 knots
- Full crew complement 270

<http://www.royalyachtbritannia.co.uk/>

# Finances

## Costs *(the abstract view)*

- the UK is not a cheap location
- exchange rate has moved against the US \$
- overall costings **are** within WG10.4 norms  
*(when measured in GBP - sterling)*
- extra dinner tickets will have to be paid for
- finance and local arrangements posts are carried over from DSN
- a dinner sponsor may be found

# Finances

## Costs *(the latest figures)*

	UK	Euro	US
Accommodation: (four nights B&B, including taxes)	465	695	900
Registration: (reception, meeting room, breaks, lunches, two dinners, excursion and banquet)	350	525	680

- **Workshop topic: Safety**

- ◆ **Organizers: Lorenzo Strigini and Robin Bloomfield**

# 53rd Meeting (winter 2008)

- Proposal from Eliane Martin for Natal, Brazil (represented by Henrique Madeira)
- Workshop ideas:
  - ◆ dependability issues in self-organizing networks,
  - ◆ dependability and security issues in mobile ad-hoc and sensor networks,
  - ◆ challenges in building large-scale and dynamic systems
  - ◆ Others?

# Proposal for Winter (Summer?) Meeting 2008

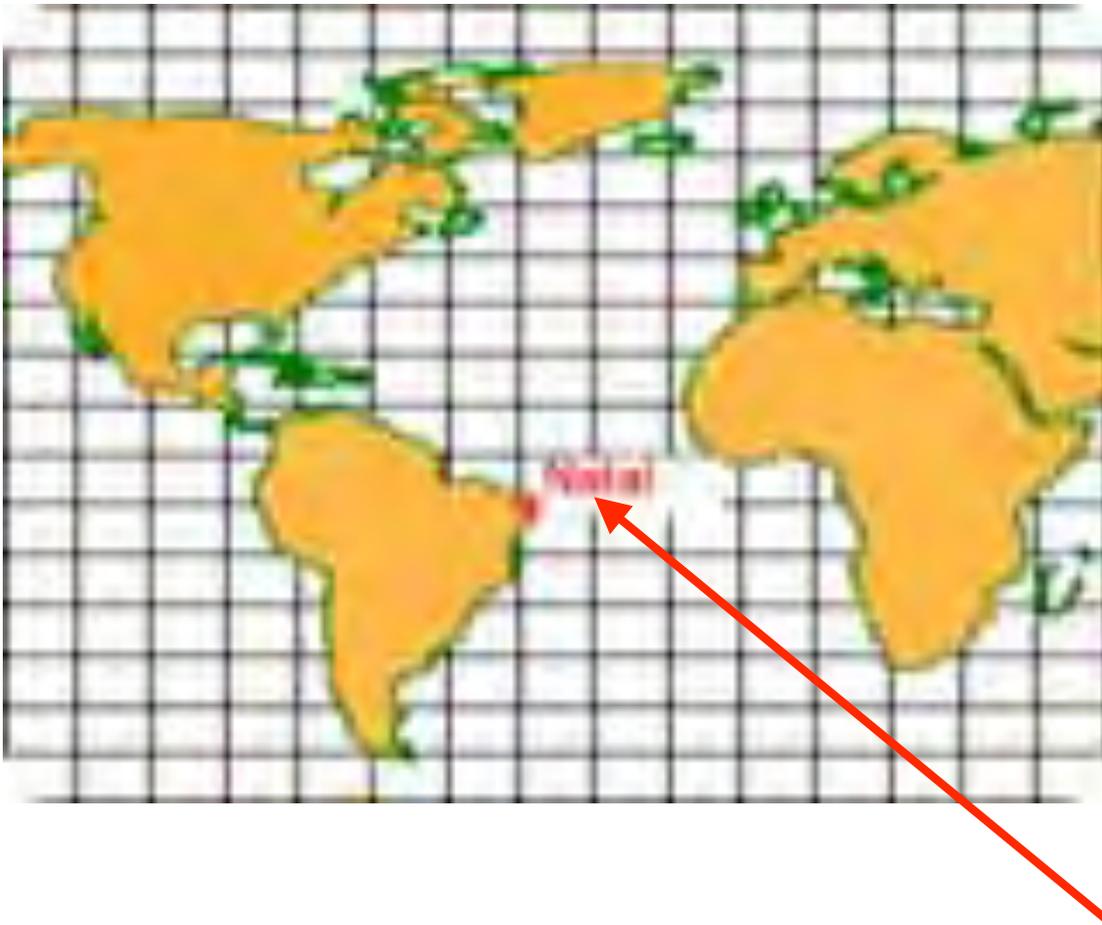
Eliane Martins

UNICAMP, Brazil

# IFIP meeting in Natal

- Location and Climate
- About Natal
- Hotels and resorts
- Some local attractions

# Location



- Natal is situated in Northeastern Brazil.
- Close to the Equator, is the point in South America closest to Europe and Africa.
- Temperature:  
Minimum: 23.3° C  
Maximum: 29.5° C

# About Natal

- Natal is the capital of Rio Grande do Norte state
- Its name is due to its foundation date: Dec, 25, 1599 (Natal is the Portuguese word for Christmas)
- Also known as “sun bride” or “city of the sun”, since it has 300 sunny days in the year
- During World War II, it was called "the spring board of victory", as it worked as base for the allies that used to gather there and head for battles in North Africa
- It has 750 000 inhabitants

# Hotels and resorts

- Blue Tree Pirâmide Hotel
- Pestana Beach Resort
- Ocean Palace Hotel
- Rifólis Hotel
- ... and many others

# Blue Tree Piramide Hotel

- Rates (at jan/2007):
  - After Carnival (from February to June)
  - SGL/DBL – R\$250,00  
≅ U\$ 117,00  
  
≅ € 89,00
- Located the Brazilian Symposium on Computer Networks in 2003
  - About 1000 participants!





Blue Tree Piramide Hotel

# Pestana Beach Resort



- Rates (at Jan/2007)
  - From March to June:
  - DBL: R\$368,00 – R\$394,00
    - US\$ 172,20 – US\$ 184,37
    - € 130,96 - € 140,21



# Other Resorts



Sehrs Natal  
Grand Hotel



Ocean Palace Hotel



Rifólis Praia Hotel

# Venue

- There are direct flights from Europe to Natal.
  - Regular: Lisbon (TAP Air Portugal) ≈7h
  - Charters: Lisbon, Madrid and Barcelona (7h30m) ; Milan (8h30m) , Stockholm and Oslo (11h00m) ; Amsterdam and others in high season.
- Daily flight connections are available from: São Paulo (2900 km), Rio (2625km), Recife (297 km) and Salvador (1100km) → these cities receive international flights from several countries

# Flights to state capitals with connections to Natal (1)

## – Rio de Janeiro and São Paulo:

- Direct flights from the US and Canada:
  - American Airlines, United Airlines, Air Canada, ...
- Direct flights from Europe:
  - TAP Air Portugal, Air France, British Airways, TAM, KLM, SAS, ...
- Direct flights from Asia
  - JAL

## – Salvador and Recife:

- Direct flights from Europe:
  - **Lisbon** (TAP Air Portugal), **Madrid** (Air Europe)
- Direct flights from US:
  - **Miami** (TAM).

# Main attractions

Possibilities of excursions ...



The ancient fort, called Reis Magos Fort, was the first landmark of the city

Ponta Negra Beach with Morro do Careca



# Genipabu beach



Located 30km from Natal

# Genipabu beach with buggy or camel rides



# Maracajaú beach



Located 51km from Natal, with natural pools



The biggest cashew tree in the world!

## Jacumã: one of the lakes in Natal



# Other option: Fernando de Noronha

- Fernando de Noronha is the biggest of 21 islands which make up the Marine National Park of Noronha.
- The archipelagus is under administration of the state of Pernambuco, but it is closer to Natal (350 km)
- Atractions:
  - paradisiac beaches and ecological spots
  - paradise under the sea: good for diving
- Need reservation in advance because there is a limit in the



# About the cuisine

- Because of the proximity with the sea, it's natural that many restaurants specialize in fish and sea food ...



# Proponents

- All FT community in Brazil supports the idea but the main local organizers are:
  - Eliane Martins (State University of Campinas)
  - Thaís Vasconcelos (Federal University of Rio Grande do Norte)

# More information?

- <http://www.setur.rn.gov.br/english/index1.html>
- <http://www.natal-brazil.com/>

## ■ Workshop ideas:

- ◆ dependability issues in self-organizing networks,
- ◆ dependability and security issues in mobile ad-hoc and sensor networks,
- ◆ challenges in building large-scale and dynamic systems
- ◆ Others?

# 54th Meeting (summer 2008)

- Location: Talkeetna Lodge, Alaska following DSN
- Workshop: Research reports (but organized in advance)
- Organizer: Phil Koopman and Sue Kennedy

# 55th Meeting (winter 2009)

- Location: Time for the idea of a “winter” winter meeting?
- Andrea has volunteered to investigate the Italian Alps, but needs a 2 year lead time.
- Workshop ideas?

# 56th Meeting (summer 2009)

- Location: Portugal
- Host: Paulo Verissimo

# 57th Meeting (winter 2010)

- Location: proposal for Japan from Takashi and Xavier

# 1st Winter meeting in Japan (2010)

- 2 propositions
  - Hokkaido
    - (snow)
  - Okinawa
    - (sun)



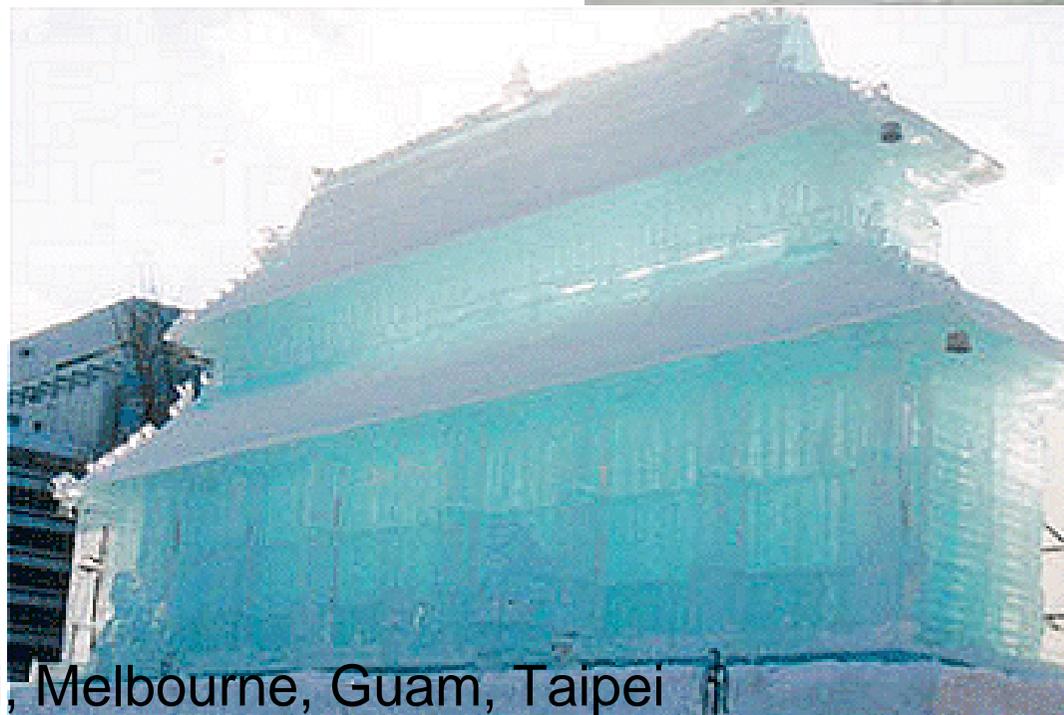
# Okinawa

- Temperature (Jan.)
  - 22 °C (71 °F) / Low: 18 °C (65 °F)
- Highlights
  - Coral reefs
  - Marine sports
  - Tropical fruits
- Flight Info. (Naha)
  - Domestic
    - Osaka (Kansai) 10 / day
    - Tokyo: 1 / day
  - International
    - Taipei, Seoul, Shanghai, Manilla



# Hokkaido

- Temperature (Jan.)
  - 0 °C (32 °F) / -5 °C (23 °F)
- Highlights
  - Snow festival
  - Winter sports
  - Seafood
- Flight Info. (Sapporo)
  - Domestic
    - Osaka: 8 / day
    - Tokyo: 3 / day
  - International
    - Seoul, Hong-Kong, Shanghai, Melbourne, Guam, Taipei



# SIG on Dependability Benchmarking (SIGDeB)

- Karama: update on book

# TC-10 Conference at IFIP WCC-2006

## Biologically Inspired Cooperative Computing

- August 20-25, 2006 in Santiago Chile
- Chairs: **Franz Rammig** (U. Paderborn-Chair TC10) & **Mauricio Solar** (U. Santiago, Chile)
- Program Chairs: **Yi Pan** (U. Georgia) & **Hartmut Schmek** (U. Karlsruhe)
- 17 papers, 3 invited talks:
  - ◆ Al Avizienis (UCLA, US and VMU, LT): An Immune System Paradigm for the Assurance of Dependability of Collaborative Self-Organizing Systems
  - ◆ Mike Hinchey, Roy Sterritt (NASA, US): 99% (Biological) Inspired Computing
  - ◆ Steve White (IBM, US): Biologically-Inspired Design: Getting It Wrong and Getting it Right
- Celebrating 30 years of TC10

# Other Supported Events

- **ATC-06** (3rd International on Autonomic and Trusted Computing), Wuhan and Three Gorges, China, September 3-6, 2006.
- **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>
- **SRDS 2006** (25th IEEE Symp on Reliable Distributed Systems), Leeds, UK, Oct 2-4, 2006 - <http://www.comp.leeds.ac.uk/SRDS2006/>
- **PRDC 2006** (12th IEEE Pacific Rim Dependable Computing Symp), Riverside, CAL, Dec 18-20, 2006. <http://www.cs.iupui.edu/~ydai/PRDC06/>
- **SAFECOMP-2007**, Nuremberg, Germany, September 18-21, 2007.
- **EDCC-2008** (7th European Dependable Computing Conference), May 2008 (in process).

**Anything else?**

# 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, infrastructure security and operational challenges of service provider networks, ...