

**69th IFIP WG 10.4 Meeting
10-14 January, 2016
Aspen/Snowmass, USA**



Business Meeting Agenda

- Upcoming events: DSNs and other sponsored events ...
- Awards
- Future WG Meetings AND workshops
- Workshop themes
- **Members only portion**

IEEE/IFIP International Conference on Dependable Systems and Networks



- Toulouse, France (2016)

- ◆ General co-Chairs: **Karama Kanoun, Mohamed Kaaniche** (LAAS-CNRS, France)
- ◆ Program co-Chairs: **Cristina Nita-Rotaru** (Purdue Univ., US), **Domenico Cotroneo** (U. Naples Federico II, IT)



DSN 2016

Toulouse • France
June 28 - July 1st

The 46th Annual IEEE/IFIP International Conference on Dependable Systems and Networks

Main menu

- [Home](#)
- [Conference Venue ▼](#)
- [Call for contributions](#)
- [Awards ▼](#)
- [Workshops](#)
- [Tutorials](#)
- [Industrial Track](#)
- [Student Forum](#)
- [Fast Abstracts](#)
- [Important dates](#)
- [Committees ▼](#)
- [Sponsors](#)
- [Previous DSN Conferences](#)

My Space

User name

Password

Call for contributions

The Annual IEEE/IFIP International Conference on Dependable Systems and Networks (DSN) is the most prestigious international forum for presenting research results in the field of dependable and secure computing.

Authors are invited to submit original papers on the research and practice of creating, validating, deploying and maintaining dependable and secure systems and networks.

All aspects of dependable and secure systems and networks are within the scope of DSN including innovative architectures, protocols and algorithms as well as experimentation with and assessment of dependable and secure systems. DSN's current thematic areas of emphasis are:

- Hardware (e.g. microprocessors; VLSI; storage systems, and nanoscale systems)
- Software (e.g. applications; middleware; and operating systems)
- Cyber-physical systems (e.g. embedded systems; networked embedded systems; SCADA; automotive aerospace, and medical systems, and smart grid)
- Socio-technical systems (e.g. virtual worlds; human-computer interaction; usable security, and online social networking)
- Clouds (e.g. cloud storage, computing, platforms, and applications)
- Networks (e.g. wireless networks; mobility; next-generation networks; and software-defined networking)
- Models and methodologies for programming, evaluating, and assessing dependable and secure systems (e.g. performance, dependability and security evaluation; analytical and numerical methods; simulation, experimentation; benchmarking; verification; field data analysis; and data mining techniques)

See
<http://dsn.org>

Upcoming Events

IEEE/IFIP International Conference on Dependable Systems and Networks



- Toulouse, France (2016)
 - ◆ General co-Chairs: **Karama Kanoun, Mohamed Kaaniche** (LAAS-CNRS, France)
 - ◆ Program co-Chairs: **Cristina Nita-Rotaru** (Purdue Univ., US), **Domenico Cotroneo** (U. Naples Federico II, IT)

- Denver, CO, US (2017)
 - ◆ General Chair: **Shivakant Misra** (University of Colorado, Boulder, US)
 - ◆ Program co-Chairs: **Evgenia Smirni** (College of William and Mary, US), **Pascal Felber** (Univ. Neuchatel, CH)

- Luxembourg City, Luxembourg (2018)
 - ◆ To be ratified by the SC
 - ◆ General Chair: **Paulo Veríssimo** (University of Luxembourg, Luxembourg)
 - ◆ Program co-Chairs: **TBD**

Award Updates

Award Updates

NEW !

- **Carter Award in Dependable Computing has changed!**
 - ◆ Scope: significant contribution to the field of dependable computing through his or her **graduate dissertation research**
 - ◆ Committee: picked by TC and IFIP WG chairs
 - ◆ William C. Carter Award 2016 committee members are:
 - ◆ Roberto Baldoni, Chair, Ken Birman, Xavier Defago, Christof Fetzer, Arun Somani
 - ☞ Call has gone out. See site. Nominations no later than Jan 22, 2016.
- The award is sponsored by **IEEE TC-FTC and IFIP WG 10.4**
- URL: **www.dsn.org**
- The award will be presented at **DSN 2016**.

Award Updates

■ DSN Best paper award

- ◆ Scope: Best paper accepted and presented at DSN.
- ◆ Committee: joint sequenced decision of: PC -> SC -> DSN audience
- ◆ Selection:
 - ↳ Starts during PC meeting, ends during DSN

■ URL: www.dsn.org

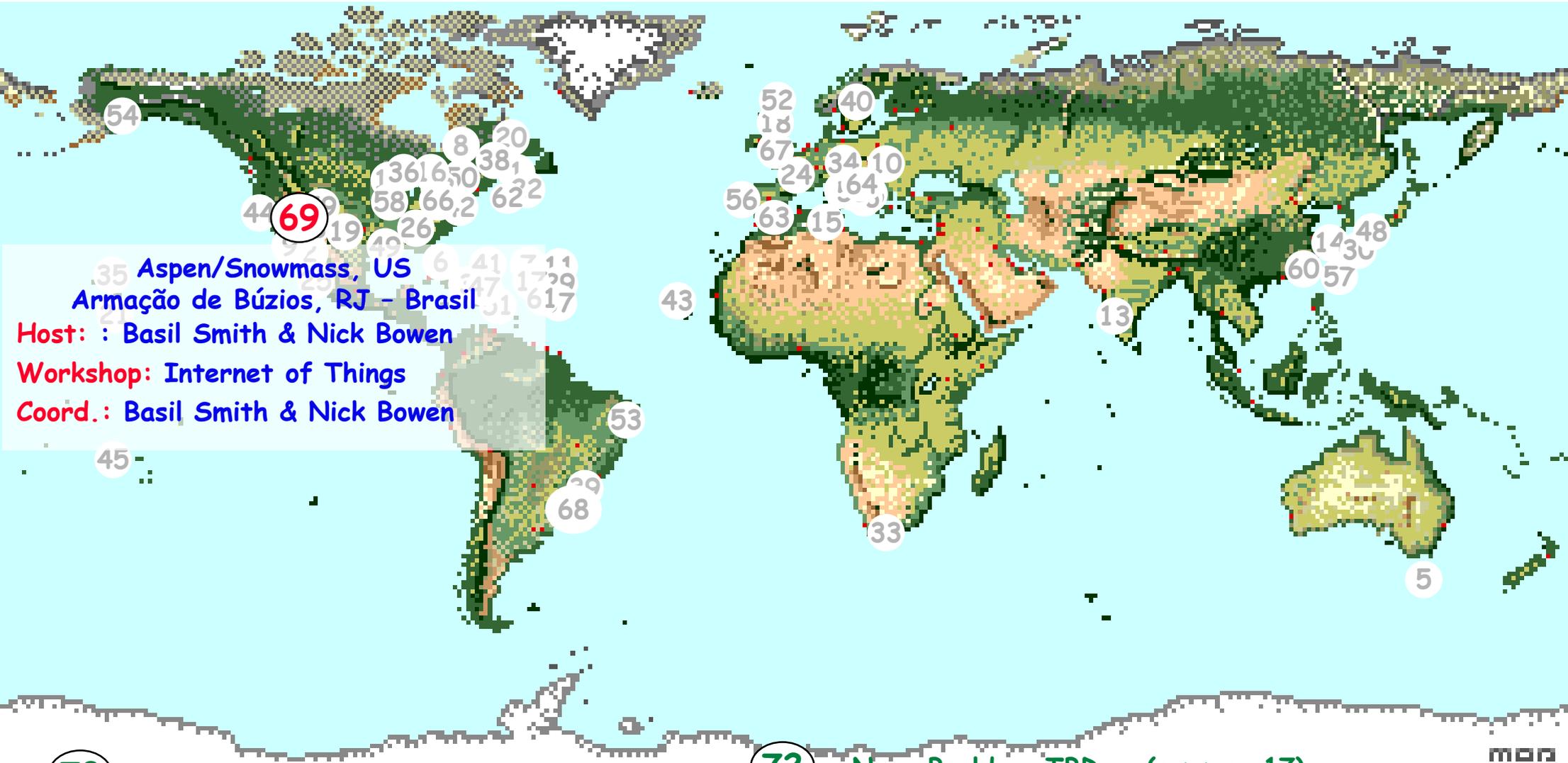
Award Updates

- **Jean-Claude Laprie Award in Dependable Computing**
 - ◆ **Scope:** Outstanding paper(s) have significantly influenced the theory and/or practice of dependable computing.
 - ◆ **Committee:** appointed by IFIP WG10.4 chair
 - ◆ **Selection:**
 - ↳ Through winter
- **URL:** <http://www.dependability.org/wg10.4/laprie-award.html>

Award Updates

- IEEE Innovation in Societal Infrastructure Award to Bill Sanders (2016)
- *"For the assessment-driven design of trustworthy cyber infrastructures for electric grid systems."*
- To be delivered at DSN 2016!

Future Working Group Meetings



35 Aspen/Snowmass, US
Armação de Búzios, RJ - Brasil
Host: : Basil Smith & Nick Bowen
Workshop: Internet of Things
Coord.: Basil Smith & Nick Bowen

70 Toulouse, FR — (summer 16)

71 Queenstown, NZ — (winter 17)

72 Near Boulder, TBD — (summer 17)

73 ?? — (winter 18)

69th Meeting (winter 2016)

DONE!

Location: Aspen, Snowmass

Host: Basil Smith, Nick Bowen

Dates: tentative 10-14 Jan '16

Hotels: see next slides

Costs: 320 or 170USD+tax/night hotel; ~700USD reg.

▪ Hotel Includes

- Breakfast in meeting room
- Several facilities
- WiFi

Workshop : Systems Dependability in the Internet of Things (IoT), [org](#). Nick Bowen, Basil Smith

70th Meeting (summer 2016)

**PROPOSAL
APPROVED!**

Location: Sorèze (near Toulouse)

Host: J. Arlat

Dates: before (!) DSN, 24-27 June 2016 (fri-mon)

Hotels: Abbaye Ecole de Sorèze, Hotel and SPA

Costs: ~ TBD /night hotel; ~ TBD reg.

▪ Hotel Includes

- Breakfast
- Several facilities
- WiFi

▪ Transfer to Toulouse on Monday 27 June

Workshop : Intelligent Manufacturing / Factory of the Future, proposal by J. Arlat, to be refined

71st Meeting (winter 2017)

**PROPOSAL
APPROVED!**

Location: Queenstown, New Zealand

Host: Takashi Nanya (Univ. of Tokyo, JP), Dong Seong Kim (University of Canterbury, NZ)

Dates proposal: right **after PRDC**, maybe within last 2 weeks January '17

Hotels: TBD

Costs: ~ TBD /night hotel; ~ TBD reg.

▪ Hotel Includes

- Breakfast
- Several facilities
- WiFi

Workshop : Workshop ideas TBD

71st Meeting (winter 2017)

Location

■ Queenstown

- ◆ **Fly as fast option** (non-stop flights available, less than one hour flying time). Definitely **one of the best places in NZ**. Good to have one day excursion from Queenstown to **Milford sound**, which is an amazing place to visit.
- ◆ **Can drive: scenic!**

■ <http://www.queenstownnz.co.nz/>

72nd Meeting (summer 2017)

**PROPOSALS
WELCOME!**

Location: TBD, near Boulder, Colorado, US (DSN17)

Host: **A willing member, in colab with Shivakant!**

Dates: after DSN

Hotels: TBD

Costs: ~ TBD /night hotel; ~ TBD reg.

▪ Hotel Includes

- Breakfast
- Several facilities
- WiFi

Workshop : Workshop ideas TBD

73rd Meeting (winter 2018)

**PROPOSALS
WELCOME!**

Location: TBD

Host: TBD

Dates: TBD

Hotels: TBD

Costs: ~ TBD /night hotel; ~ TBD reg.

▪ Hotel Includes

- Breakfast
- Several facilities
- WiFi

Workshop : Workshop ideas TBD

74th Meeting (summer 2018)

PROPOSAL
will be tabled!

Location: **Petite Suisse?**, Luxembourg (DSN18)

Host: Paulo Veríssimo

Dates: after DSN

Hotels: TBD

Costs: ~ TBD /night hotel; ~ TBD reg.

▪ Hotel Includes

- Breakfast
- Several facilities
- WiFi

Workshop : Workshop ideas TBD

Workshops outlook

- Winter 2014 (Sorrento-Italy)
 - ◆ Security Assessment: Metrics and Methods, DONE
- Summer 2014 (Amicalola Falls near-Atlanta-US)
 - ◆ Electrical Smart Grids Security and Dependability, DONE
- Winter 2015 (Tortworth-Bristol, UK)
 - ◆ Science of Cyber Security, DONE
- Summer 2015 (Búzios, Brazil)
 - ◆ Autonomous and Cooperative Intelligent Vehicles, DONE
- Winter 2016 (TBD)
 - ◆ Systems Dependability in the Internet of Things (IoT), DONE
- Summer 2016 (TBD)
 - ◆ Intelligent Manufacturing / Factory of the Future
- Winter 2017 (TBD)
 - ◆ tbd

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, critical infrastructure protection, achieving and assessing safety, cps dependability, dependability in cloud systems, security assessment: metrics and methods, electrical smart grids sec&dep, science of cyber security, Autonomous and Cooperative Intelligent Vehicles, Systems Dependability in the Internet of Things (IoT)

Dependability and Security R&D and R&D outlets: present and future

- We are in a crucial moment of the development of our community, and its major outlets, DSN figuring out as the flagship conference
- In the near future, it would be appropriate to foster some discussion about the topic in headline.