

**71st Meeting of the IFIP 10.4 Working Group
on Dependability and Security**

Rydges Lakeland Resort Queenstown, New Zealand,
January 26-30, 2017

Welcome!



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Business Meeting



Business Meeting Agenda

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

Upcoming Events

IEEE/IFIP International Conference on Dependable Systems and Networks



- 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)
 - ◆ General Chair: Paulo Esteves-Veríssimo (University of Luxembourg, Luxembourg)
 - ◆ Program co-Chairs: Gilles Muller (LIP6, INRIA, FR), Marco Vieira (Univ. Coimbra, PT)

- DSN 19 : two proposals from the USA
- Cristian Constantinescu for Portland, Oregon.
- Bojan Cukic for Charlotte, North Carolina.

Award Updates

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NEW in 2016!

- William C. Carter PhD Dissertation 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
- The award is sponsored by IEEE TC-FTC and IFIP WG 10.4
- URL: www.dsn.org
- The award is presented at DSN by a short talk of the awardee

Award Updates

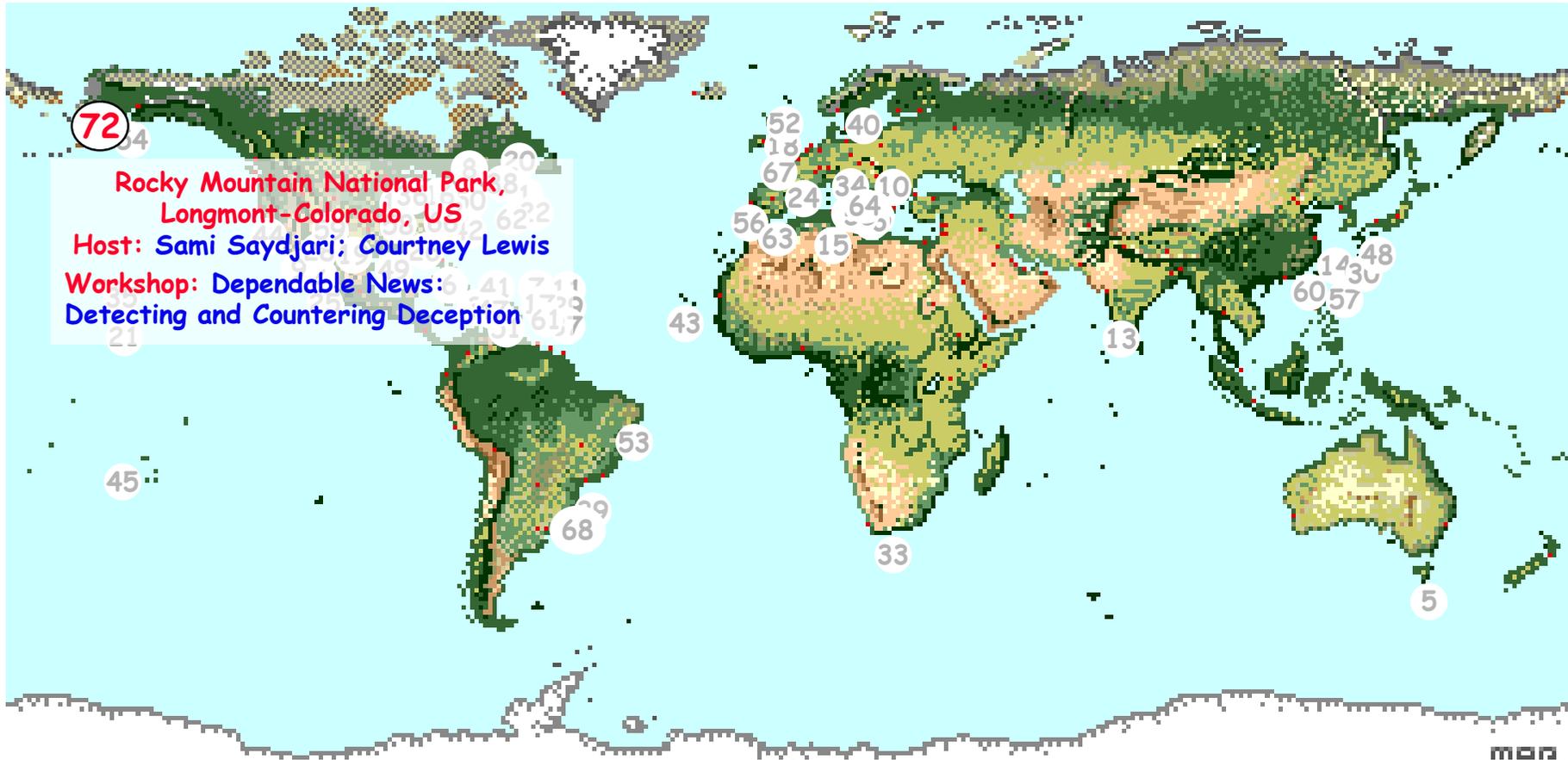
RECENT!

- 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
- Final decision during DSN, you can participate in the vote

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>

Future Working Group Meetings



- 71 Queenstown, NZ — (winter 17)
- 72 Longmont, CO, US — (summer 17)

- 73 ?? — (winter 18)
- 74 Luxembourg — (summer 18)

71st Meeting (winter 2017)

DONE!!!

- Location: Queenstown, New Zealand (it is **Summer** in NZ !)
<http://www.queenstownnz.co.nz/>
- Host: Takashi Nanya (Univ. of Tokyo, JP), DongSeong Kim (University of Canterbury, NZ)
- **Dates:**
 - ☞ 26-30 Jan. 2017 in Queenstown After PRDC'17 in Christchurch
- **Hotel: Rydges Lakeland Resort Queenstown**
- **Costs:**
 - ☞ 220 NZD (approx. 155 USD) including GST/night hotel;
 - ☞ 525 NZD (approx. 360 USD) reg.
- **Registration Includes:**
 - Welcome Reception; Lunches and coffee breaks; Excursion; Banquet
- **Hotel Includes**
 - Several facilities, WiFi

72nd Meeting (summer 2017)

**PROPOSAL
ACCEPTED!**

- Location: Rocky Mountain National Park, Longmont, Colorado, US (DSN17)
- Host: Sami Saydjari and Courtney Lewis
- Dates: before DSN
- Hotels: Best Western Plus Plaza Hotel
- Costs: \$119 per night (separate from registration of event)
- Registration: \$525
- Registration includes:
 - attendance to the Workshop (all 4 days)
 - breakfast
 - lunch
 - all day break service for each day
 - charter bus transportation to and from hotel to Rocky Mountain National Park for event excursion
 - charter bus from hotel to DSN

Workshop : "Dependable News: Detecting and Countering Deception"

73rd Meeting (winter 2018)

PROPOSAL
for Goa, India
under study!

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
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

75th Meeting (winter 2019)

**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

Workshops outlook

- Winter 2016 (Snowmass, US)
 - ◆ Systems Dependability in the Internet of Things (IoT), DONE
- Summer 2016 (Sorèze, France)
 - ◆ Smart Factories: Challenges for Depend. and Sec. Computing, DONE
- Winter 2017 (Queenstown, NZ)
 - ◆ Research-papers workshop, DONE
- Summer 2017 (Logmont, US)
 - ◆ Dependable News: Detecting and Countering Deception
- Winter 2018 (TBD)
 - ◆ TBD
- Summer 2018 (Mullertahl, LUX)
 - ◆ 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), Smart Factories: Challenges for Depend. and Sec. Computing, Dependable News: Detecting and Countering Deception

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.

Workshop ideas

(FUTURE ideas circulated recently)

Should close:
• Winter 2018
• Summer 2018

- Medical systems (assisted living, health informatics, applied biomedical engineering)
- Other focused topics on CPS (a property, a kind)
- Autonomous human-machine interaction, cooperative robots
- Socio-technical issues of security research and training (ethics, "ethical hacking", awareness)
- Economics of security and/or dependability
- Foundational research on Dep & Sec
- Scaling down to <10nm: dependability challenges and opportunities
- Present and future of Dep & Sec R&D and relevant outlets
- Reliability of big data
- Reliability of forensic processes
- Dependability of digital currencies / ledgers (blockchain, bitcoin)
- Use of machine learning for accidental and malicious error detection
- Liability and dependability

Members please consider organizing a workshop, even if not the next, it's good to have a few lined-up!
You may do it with the assistance of non-member colleagues.

Please contact me (PJV)