73rd Meeting of the IFIP 10.4 Working Group on Dependability and Security

Bogmalo Beach Resort, Goa, India — Jan 11-15, 2018

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

- **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)**

IEEE/IFIP International Conference on Dependable Systems and Networks

- **Portland, Oregon, USA (2019)**
  - **General Chair:** Cristian Constantinescu (AMD, USA)
  - **Program co-Chairs:** Karthik Pattabiramam (U. British Columbia, CA) and Fernando Pedone (Univ. Lugano, CH)

Award Updates

Award Updates

- **William C. Carter PhD Dissertation Award** in Dependable Computing
  - ◆ 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
- Selection takes place in Winter
- The award is presented at DSN by a short talk of the awardee

Award Updates

- **DSN Best paper award**
  - ◆ Scope: Best paper accepted and presented at DSN.
  - ◆ Committee: joint sequenced decision of: PC -> SC -> DSN audience
- **URL: www.dsn.org**

- **Selection: starts during PC meeting, ends during DSN**

- **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

- **The award is sponsored by IEEE TC-FTC and IFIP WG 10.4**

- **URL:** http://www.dependability.org/wg10.4/laprie-award.html

- **Selection takes place in Winter**
- **The award is presented at DSN**

73rd Meeting (winter 2018)

DONE!!!

Location: Goa, India

Host: Santonu Sarkar (BITS-Pilani, IN)

Dates: 11-15 Jan

Hotels: Bogmallo Beach Resort

Costs: <100 USD /night hotel; reg. < ~400 USD

or full costs incl. hotel reg. < ~700 USD

- **Hotel Includes**
  - **Breakfast, WIFI, Several facilities**
- **Registration Includes:**
  - Welcome Reception; lunches and coffee breaks; Excursion; all dinners and Banquet; Airport pickup and drop

■ **Workshop :** Emerging Challenges for Resilience of Critical Cloudbased Operations: When Privacy meets Availability

Future Working Group Meetings

Clervaux, Luxembourg
Host: Paulo Esteves-Veríssimo

Workshop: Technological and societal challenges to blockchain depend. and security

72 Longmont,CO, US — (summer 17)   73 Goa, India — (winter 18)   74 Clervaux, Luxembourg — (summer 18)

74th Meeting (summer 2018)

PROPOSAL approved

Location: Clervaux, Luxembourg (after DSN18)

Host: Paulo Esteves-Veríssimo

Dates: 28jun-1jul, after DSN

Hotel: Hotel International**** - Clervaux (meeting venue)

Costs: Hotel - 110 €/night; Registration +-450€

- Hotel Includes
  - o Breakfast, WIFI, Spa area
- Registration Includes:
  - Welcome Reception; lunches and coffee breaks; Excursion; Banquet; charter bus from DSN and back

Workshop: Technological and societal challenges to blockchain dependability and security, org. Paulo Veríssimo, Jiangshan Yu (U. Luxembourg, LU)

IFIP 2018
Clervaux, Luxembourg

Prof. Paulo Esteves-Veríssimo

Interdisciplinary Centre for Security, Reliability and Trust / SnT
University of Luxembourg

- 28 June: Those already at the DSN Conference will leave the Hotel Parc Alvisse at around 15:00. Upon arrival, at 19:00 there will be welcome drinks and a cocktail dinner

- 29 June: Normal workshop day with lunch at the venue. In the evening, attendees will be free to explore the local restaurants.

- 30 June: Workshop morning with lunch at the venue. Excursion, independent activities, starting at 15:00, followed by the meeting banquet.

- 1 July : Research reports in the morning. The conference will finish after lunch. Bus returning to Luxembourg.

- **Clervaux, historical city surrounded by equally historical castles and palaces**

Clervaux is one of the oldest towns in Luxembourg and considered as historic hotspot. It is a cultural city par excellence and hosts a well-known museum featuring the "Family of Man" exhibition.

- **By train:**
From Luxembourg, Gare Centrale to Clervaux, Gare (direct train)
Duration: 59 min

There is a free shuttle service from and to the station of Clervaux. Please notify in advance the arrival and departure times.
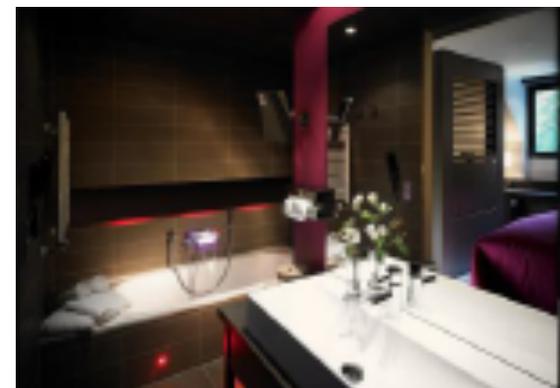
- **By car: just type in your navigation system address:**
Grand-Rue 14
L-9710 Clervaux
Luxembourg

For those attending following the DSN conference transport will be arranged

14 Grand-Rue, L-9710 Clervaux, Luxembourg
Directions   Save   Zoom   Send
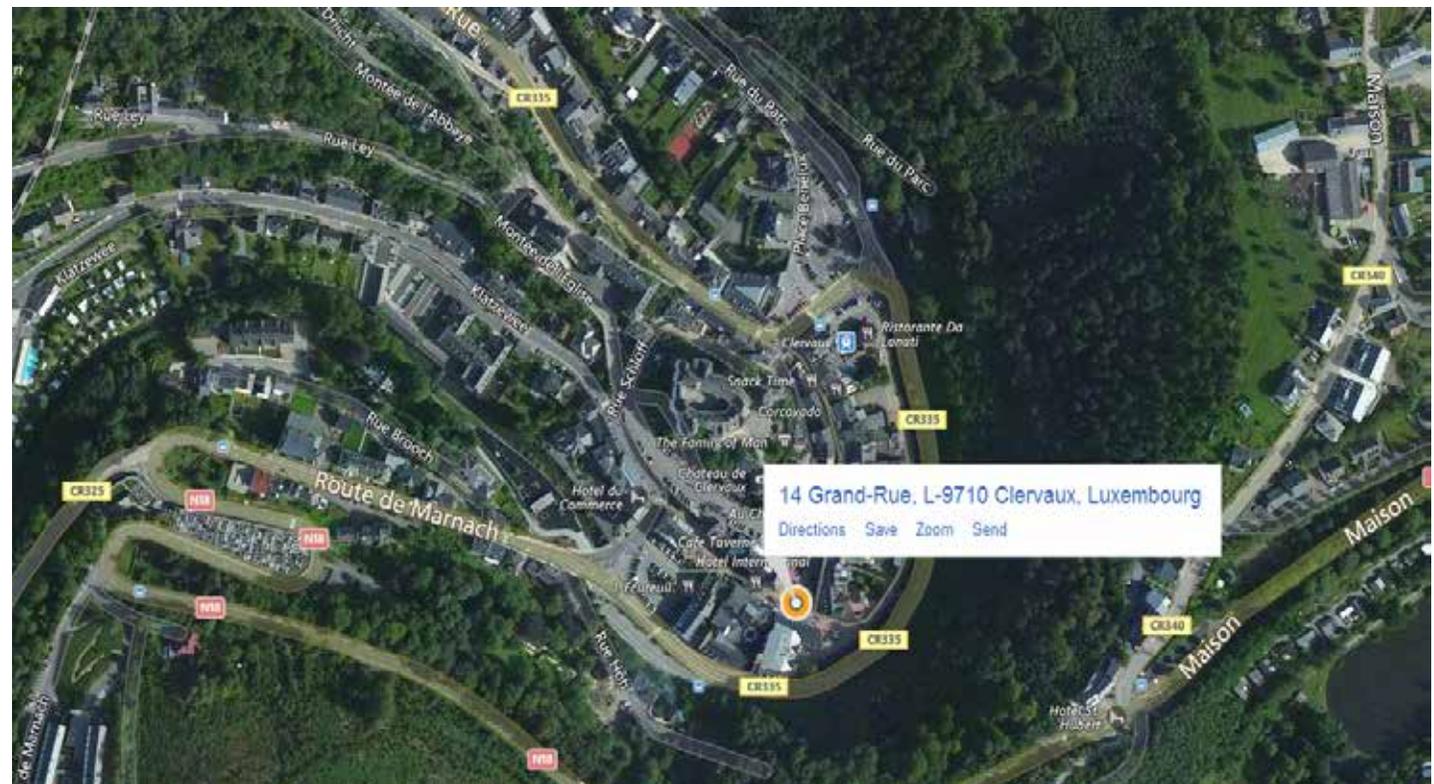
Hotel International ****

This hotel is right in the town center.

CLERVAUX

Visit of the « Family of Man » exibition in the Clervaux Castle

Visit of Bourgsheid Castel and wine tasting

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

76th Meeting (summer 2019)

PROPOSALS WELCOME !

Location: near Portland, Oregon, after JSN 2019

Host: TBD

Dates: TBD

Hotels: TBD

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

▪ Hotel Includes

  o Breakfast, Several facilities, WiFi

Organizer: WANTED!!

Workshop : Workshop ideas 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 research and its outlets: present and future

- We are in a crucial moment of the development of our community, and its major outlets, DSN as the flagship conference

- In the near future, it would be appropriate to foster some discussion about the topic in headline.

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 (Goa, India)
  - Emerging Challenges for Resilience of Critical Cloud-based Operations: When Privacy meets Availability
- Summer 2018 (Clervaux, LUX)
  - Technological and societal challenges to blockchain dependability and security

- Winter 2019 (?)
  - TBD

Workshop ideas
(FUTURE ideas circulated recently)

- Safety vs. Security in Autonomous vehicle ecosystems, cooperative robots, etc.
- Safety-security co-engineering of (intelligent) systems
- Medical systems (assisted living, health informatics, applied biomedical engineering)
- Socio-tech. issues of security research and training (ethics, "ethical hacking", awareness)
- Economics of security and/or dependability
- Liability and dependability
- Foundations of Dep & Sec, Terminology 3.0
- Present and future of Dep & Sec research and its presence in relevant outlets
- Role of technologies in the Resilience of society
- Scaling down to <10nm: dependability challenges and opportunities
- Reliability of big data
- Reliability of forensic processes
- Use of machine learning for accidental and malicious error detection
- Electronic voting

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)

AOB?