64th IFIP WG 10.4 Meeting

Visegrad, Hungary
June 27 - 30, 2013

Business Meeting

Agenda

- IEEE/IFIP DSNs –DSN-2013 wrap-up, DSN 2014

- Upcoming events: Future DSNs and other sponsored events …

- Awards

- Future WG Meetings AND workshops — 64, 65 …

- Workshop ideas

- Members only portion

IEEE/IFIP International Conference on Dependable Systems and Networks

Budapest, Hungary (2013)

- General Chair: Andras Pataricza (BME, Hungary
- DCCS Program Chair: George Candea (EPFL, CH)
- PDS Program Chair: Peter Kemper (College of William and Mary, USA)
- Attendance: ~170
- Closed with surplus (?)

IEEE/IFIP International Conference on Dependable Systems and Networks

Atlanta, GA, US (2014)

- **General Chair: Doug Blough** (Georgia Tech, US)
- **Program co-Chairs: Nuno Neves** (Univ. Lisbon, Portugal), **Mike Reiter** (Carnegie Mellon, US)

DSN 2014: Atlanta, Georgia, USA

- *Dates:* June 23-26, 2014
- *Location:*
  - Georgia Tech Hotel & Conference Center
  - Close to High Museum of Art, Atlanta Botanical Garden, CNN Center, Georgia Aquarium, etc.
- *Cost:*
  - *Hotel room rate:* $154/night (compare to $189/night in 2012, $179/night in 2010)
  - Trying to maintain registration fees of 2012
- *PC Co-Chairs:* Mike Reiter and Nuno Neves

The 44th Annual IEEE/IFIP International Conference on Dependable Systems and Networks (DSN 2014)

June 23 - 26, 2014
Atlanta, Georgia USA

See
http://dsn.org

Organizing Committee:

General Chair:

Doug Blough, Georgia Tech

Program Co-Chairs:

Michael Reiter, UNC Chapel Hill
Nuno Neves, Univ. of Lisboa

List of PC Members

Finance Chair:

Bo Hong, Georgia Tech

Workshops Co-Chairs:

Saurabh Bagchi, Purdue Univ.
Adam J. Oliner, UC Berkeley

Registration Chair:

David Taylor, Univ. of Waterloo

Publications Chair:

Meng-Lai Yin, Cal Poly Pomona

Fast Abstracts Chair:

Karthik Pattabiraman, Univ. of
British Columbia

Student Forum Chair:

Cristina Nita-Rotaru, Purdue Univ.

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 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, and online social networking)
- **Cloud computing** (e.g., storage, computing, platforms, and applications)
- **Networks** (e.g., wireless, next-generation networks, and software-defined networking)
- **Models, paradigms and methodologies** for programming, evaluating, assessing, and experimenting with dependable and secure systems

DSN welcomes research papers, practical experience papers, and tool descriptions in any of these thematic areas. Innovative papers in other areas of dependable and secure systems and networks will also be considered. Papers will be assessed with criteria appropriate to each category. The conference favors work that explores new territory, continues a significant research dialogue, or reflects on experience with (or measurements of) state-of-the-art implementations. Submissions will be judged on originality, significance, correctness and impact.

Upcoming Events

- **DSN**

- **SAFECOMP 2013**

- **PRDC 2013**

IEEE/IFIP International Conference on Dependable Systems and Networks

Atlanta, GA, US (2014)
- ◆ General Chair: Doug Blough (Georgia Tech, US)
- ◆ Program co-Chairs: Nuno Neves (Univ. Lisbon, Portugal), Mike Reiter (Carnegie Mellon, US)

Rio de Janeiro, Brazil (2015)
- ◆ General Chair: Eliane Martins (State Univ of Campinas, Brazil)

Toulouse, France (2016)
- ◆ General Chair: TBD (LAAS-CNRS, France)

Safecomp2013

INTERNATIONAL CONFERENCE ON COMPUTER SAFETY, RELIABILITY AND SECURITY, September 24-27, Toulouse, France

PRDC 2013

**The 19th IEEE Pacific Rim International Symposium on Dependable Computing (PRDC 2013)
Vancouver, British Columbia, Canada**

Award Updates

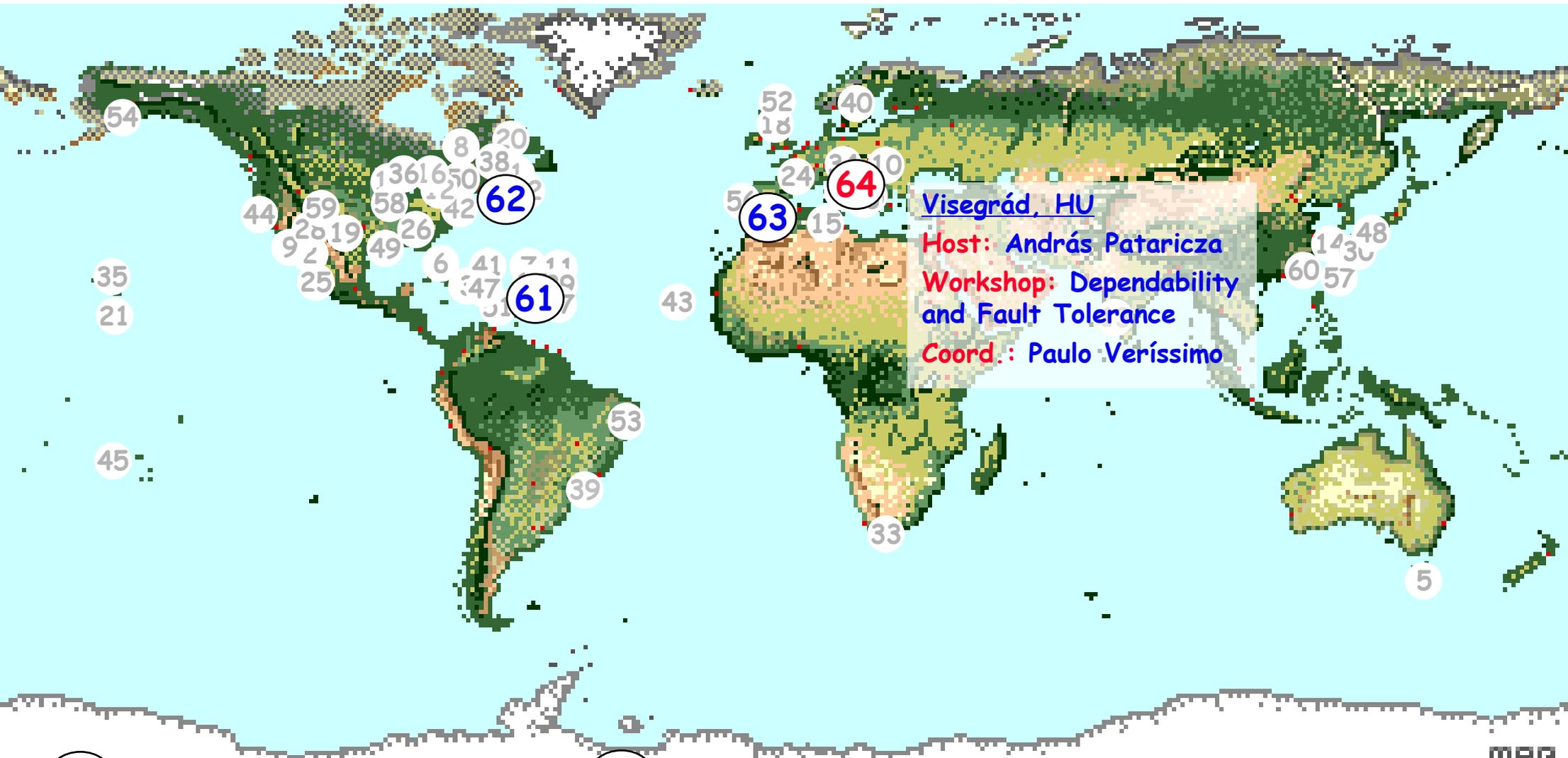- **Carter Award in Dependable Computing**
  - ◆ **Scope:** An outstanding paper based on a graduate dissertation.
  - ◆ **Committee:** DSN Steering Committee
  - ◆ **Selection:**
    - ☞ terminated
  - ◆ **The winner was:**
  - ◆ **Suman Saha**
    Laboratory of Computer Sciences, Paris 6, France
  - ◆ **Hector: Detecting Resource-Release Omission Faults in Error-Handling Code for Systems Software**
    Suman Saha, Jean-Pierre Lozi, Gael Thomas, Julia Lawall, Gilles Muller

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:** Basil Smith(Chair)
    - Takashi Nanya <nanya.takashi@canon.co.jp>
      Neeraj Suri <suri@cs.tu-darmstadt.de>
      William Sanders <whs@illinois.edu>
      Matti Hiltunen <hiltunen@research.att.com>
  - **Selection:**
    - terminated
  - **The winner(s) was/were:**
  - **L. Lamport, R. Shostak, and M. Pease, "The Byzantine Generals Problem", *ACM Transactions on Programming Languages and Systems*, vol. 4, no. 3, July 1982 pp. 382-401 .**
  - **J. Gray, "Why Do Computers Stop and What Can Be Done About It?", In *Symposium on Reliability in Distributed Software and Database Systems*, pp. 3-12. IEEE, 1986.**
  - **W.G. Bouricius, W.C. Carter and P.R. Schneider, "Reliability Modeling Techniques for Self-Repairing Computer Systems", In *Proceedings of the 24th ACM National Conference*, pp. 295-309. ACM, 1969.**

Future Working Group Meetings

Visegrád, HU
Host: András Pataricza
Workshop: Dependability and Fault Tolerance
Coord.: Paulo Veríssimo

65 ??? (winter 14)

66 US ≈ Atlanta (summer 14)

67 ??? (winter 15)

68 ??, BR — associated with DSN (summer 15)

65th Meeting (winter 2014)

Location: Sorrento, Italy

   Napolitan area (Peninsula Sorrentina)

Host: Andrea Bondavalli

Dates: 23-27 January 2014

Hotels: Parco dei Principi / La Residenza compound

Costs: ~ 80-110 EURO/night hotel; ~350euros reg.

- Includes
  - Breakfast

Workshop: Security Assessment: Metrics and Methods
(Z. Kalbarczyk, J. Meyer, W. Sanders)

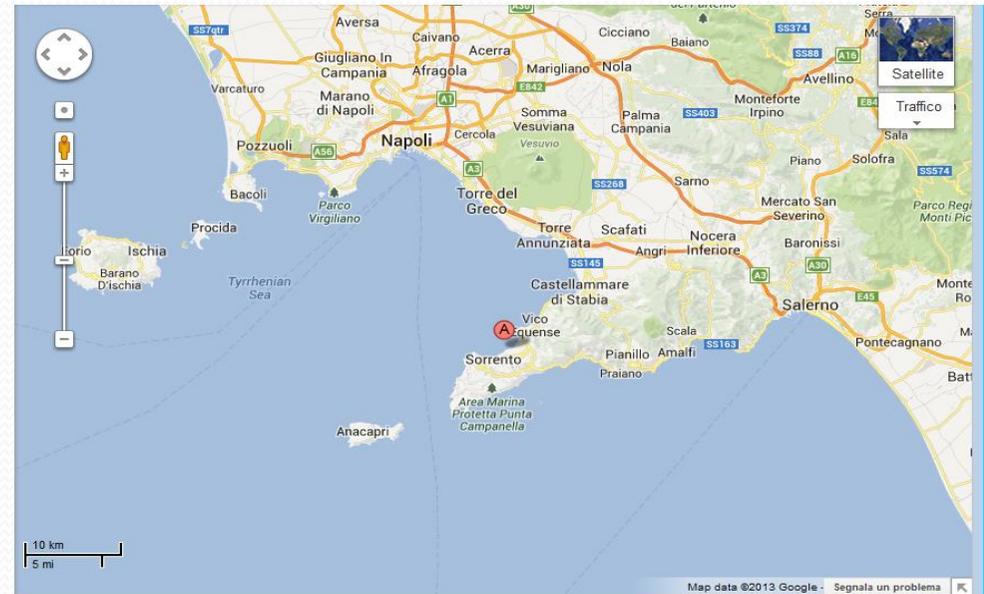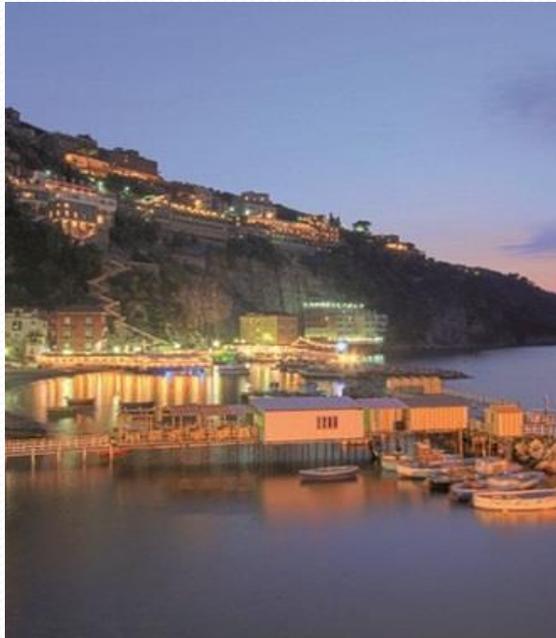ToDos: Andrea to negotiate with hotels, keeping room blocks at both

"Winter 2013 IFIP WG 10.4 meeting 65th meeting"

SORRENTO
Peninsula Sorrentina - Italy

Organizer: Andrea Bondavalli

RCL –DiMaI - University of Florence

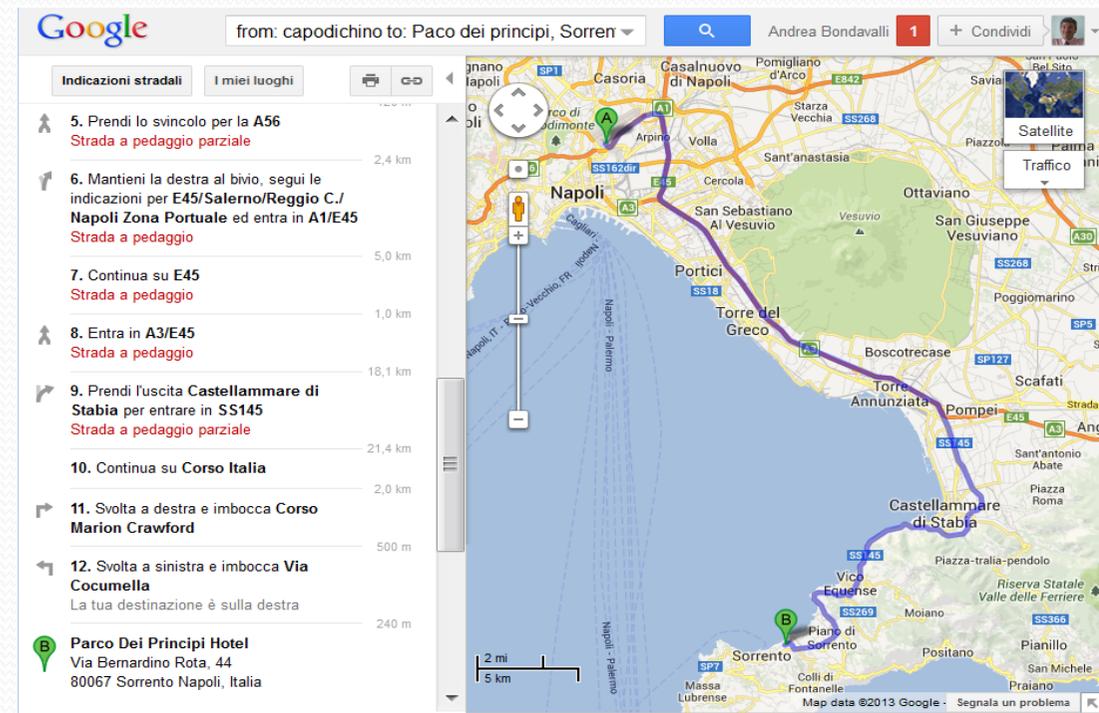## Local Arrangements: Ettore Ricciardi

SORRENTO

How to reach Sorrento

- Sorrento is 50 km from Capodichino Airport, Naples - NAP.

Besides renting cars, there are shuttle services.

We will consider organizing transports from the airport (you may have to synch)

Meeting Dates

Thursday January 23 2014 - Monday January 27 2014.

Perspective Program

Thu-Jan 23, 2014:   eve reception
Fri- Jan 24, 2014:   workshop day one
Sat-Jan 25, 2014:   either workshop day 2 +
                                bm or excursion
Sun-Jan 26, 2014:   either workshop day 2 +
                                bm or excursion
Mon Jan 27, 2014:   research reports

Parco dei Principi
SORRENTO
★★★★★

La Residenza
SORRENTO
★★★★

Via Rota, 44
80067 Sorrento (NA)
http://www.royalgroup.it/default-it.html

valli RCL –DIMAI University of Firenze

Prices

I expect to be able to negotiate prices of

- about 110 euros per night for a double room single usage (bed and breakfast) in the 'Parco dei Principi'
- About 80 euros per night for a double room single usage (bed and breakfast) in the 'La Residenza'

- an increase of 10 euros for double usage (significant saving for those who share rooms)

Registration fee: Still no estimate, but we will try to keep in the usual range (350 Euros) – might depend on the excursion

Excursion

- Islands: CAPRI/ ISCHIA / Minicruises
- COSTIERA AMALFITANA
- POMPEI
- ERCOLANO
- VESUVIO
- POMPEI/VESUVIO
- POMPEI/ERCOLANO
- CASERTA
- PAESTUM

66th Meeting (summer 2014)

Location: Atlanta area

Host: TBD

Dates: after DSN14

Hotels: TBD

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

- Hotel Includes
  - Breakfast
  - Swimming pool, wellness and fitness facilities

Workshop (provisional title): CPS dependability (especially safety & security), with emphasis on smart grids (Phil Koopman and Marilyn Wolf)

IN DEVELOPMENT

68th Meeting (summer 2015)

Location: Armação de Búzios - Brasil

Host: Eliane Martins

Dates: after DSN 15

- Hotels: Hotel Atlântico Búzios
- Costs: ~ US$160 –US$280/night
- Includes
  ○ TBD

PROPOSAL

Workshop ideas TBD

Workshops

- **Summer 2013 (Visegrad-Hungary)**
  - ◆ **Research-papers workshop, DONE**

- **Winter 2014 (Sorrento-Italy)**
  - ◆ **Security Assessment: Metrics and Methods**

- **Summer 2014 (tbd-near-Atlanta-US)**
  - ◆ **CPS dependability (especially safety & security), with emphasis on smart grids**

- **Winter 2015 (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

Workshop ideas
(OTHER FUTURE)

- **Medical systems (assisted living, health informatics, applied biomedical engineering)**
- **CPS for automotive, Safety-Security-Dependability vs. Autonomy-Adaptivity-Cooperation**
- **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**
- **Other focused topics on CPS (a property, a kind)**

- **Members interested to organize please contact me (PJV)**

Members Only, Sorry!

Membership

- **New member proposals**
  - ◆ Elmootazbelah Elnozahy (King Abdullah University of Science and Technology, Saudi Arabia

- **Decision:**
  - ◆ accepted!

Anything else?