ConSeRNS:

A Strategic Research Initative for Security and Robustness of Networked Systems

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Background

There was no security group at the department.

Univ. of Oslo (UiO) invited to general Strategic Research Initiatives.

- two research groups at the department, PMA and ND, had both proposals for security-related research
- merged and added Simula,
- prof. Olav Lysne at Simula as leader

ConSeRNS, the strategic research initiative for information security research, was approved and established in 2014.

Some members of ConSeRNS

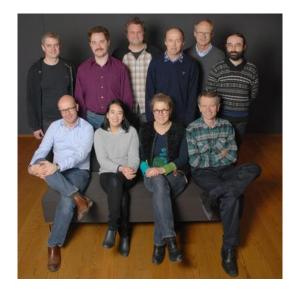


Figure: Some members of ConSeRNS

About

Participating research groups at UiO:

- ND (Networks and Distributed Systems)
- ► PMA (Precise Modeling and Analysis)
- ► Simula Research Lab. (Design of Information Systems)
- ► UNIK and others on information security and robustness
- DESIGN group at the department

Objectives

ConSeRNS focuses on

- network security and robustness,
- system security and robustness,
- identity and trust management,
- security usability,
- application security
- formal modeling of security protocols and systems.
- verification of security protocols and systems.

Aims

Through excellence in research, teaching, student supervision and exchange, ConSeRNS aims at

- designing, developing, testing and commercializing innovative security solutions and technologies,
- cyber security for the government, industry and private domains,
- training experts in IT security who will contribute to building a robust national IT infrastructure.

Strategic Aims

Hoping for

- strengthening of the research on security
- strengthening of the research cooperation between the involved groups
- forming a basis for security-related research projects, externally funded

Man power

Participating research groups at UiO:

- ► 10+ professors
- ► 5+ assoc prof.
- 5 PhD fellows sponsored by UiO
- 3 more PhD fellows to be hired

Note: Only PhDs funded by UiO.

Note: the groups are not co-located.

Success?

Strategic success

- Strengthened security research? Yes, through the PhD students.
- Strengthened research cooperation? Limited.
- ▶ Basis for projects? Yes, successful: Several new projects funded this year. Center application in progress.

All in all, good results out of a modest investment for UiO.