

Dagstuhl Seminar 16251

Information-centric Networking and Security

Agenda

The Monday morning session starts at: 09:00

A detailed and updated version Agenda is kept updated on the Wiki

– <http://boemund.dagstuhl.de/wiki/index.php/16251>

- User name: 16251; Password: 5362

Notes are kept at:

https://docs.google.com/document/d/1exz1SOpeEnLdY1kdXkm-vloTA73QVT7VIAGpxD_tW4CM/edit?usp=sharing

The seminar is proposed for three days with the structure below. The seminar is organized around repeated group work activities with changing topics and composition and feedback/discussion cycles in the plenary. As an introduction, all participants will be asked to prepare one (1) slide to introduce themselves in 1-2 min. In addition, a number of presentations will be invited from selected participants on subject areas (of their core expertise). These talks are meant to set the scene for the group work and are aimed to be controversial/polarizing to stir the discussion. These presentation scheduled up front will be complemented by ad-hoc talks on topics arising from the discussions or from individual interests are foreseen to broaden the scope, address specific topical issues, or report on particularly relevant recent results or ongoing work. One round of group discussions will be left open for topics that arise from the discussions of the first day so that reflection on results or their combination with other topics is possible. Participants may also present ad-hoc ideas for discussion to all seminar participants.

Day 0	Evening	Informal opening and discussion
Day 1	Morning	Welcome and organization Introduction of participants (1 min each, <i>1 slide!</i>) ICN field high-level overview Invited talks, Privacy, Threat models, Crypto State of the art
	Afternoon	5-minute discussion starter presentations on Privacy Group organization I Group discussion I (3 – 4 groups)
	Evening	Informal continuation and group summary preparation

Day 2	Morning	Presentation and discussion of group findings Plenary Presentations on Confidentiality Selecting further group discussion topics
	Afternoon	Group organization II Group discussion II
	Evening	Informal continuation and group summary preparation
Day 3	Morning	Presentation and discussion of group results II Seminar observations and (position) statements Discussion of results
	Afternoon	Conclusion

We expect that this seminar will give the opportunity to take a step back and revisit previous seminal research in related area and in the light of this evaluate the current state of the art for ICN and network security. This analysis, by the broad expertise we expect to see at this seminar, is expected to provide guidance for future research in the area by helping pinpointing the critical research issues that remains to be addressed. Another expected outcome is a better understanding of which are the next steps to be taken to secure ICN to make real work deployment possible. We also hope some ICN ideas can be put to use in the near future to help secure the Internet of today.