

Ad Hoc Networks

(Blockseminar)

WS2008/09



University of Freiburg
Computer Networks and Telematics
Prof. Christian Schindelhauer

1st Meeting
22nd October 2008



Contents

- **Registration**
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Registration

- **Confirmation of participation**
 - Contact email address

- **Waiting list**



Introduction

- **Ad hoc Networks**
 - Mobile Ad hoc Networks
 - Wireless Sensor Networks



Organization

General

- **Seminar conducted in English**
- **Paper Selection**
 - Select 3 to 5 papers from our literature
 - Sort them by priority in a list
 - Submit the list on the seminar forum by 25th October
<http://cone.informatik.uni-freiburg.de/forum/viewforum.php?f=29>
- **Optional discussion – upon appointment made via forum/email**
- **FIRST Presentation**
 - 10th December, 2008 11:00 ***and***
 - 15th December, 2008 09:00
- **FINAL Presentation (*dates are tentative*)**
 - 16th February, 2009 and
 - 17th February, 2009
- **Any news will be announced at**
 - <http://cone.informatik.uni-freiburg.de/lehre/seminar/adhoc-w08>



Organization

Presentations

- **First Presentation**
 - At most 15-minute presentation
 - Only introduction of the assigned own paper
- **Final Presentation**
 - 30-minute presentation (*own topic*)
 - Prepare slides and 1-page summary (< 500 words)
 - Submit them one day prior to presentation
 - 10 to 15-minute Q&A
 - Q&A Session (*two other topics*)
 - Prepare abstract and questions for two more topics assigned
 - Abstract should be at most 300 words
 - Submit them one day prior to presentation
 - Your presentation will be recorded



Organization Grading

- **ECTS: 4**

- **First Presentation 10%**
- **Final Presentation > 50%**
- **Others ~40%**
 - Overall Participation
 - Q&A
 - Written documents (abstracts/summary)

***** Note that attendance to BOTH the first and final presentations are compulsory *****



➤ **Link** <http://cone.informatik.uni-freiburg.de/lehre/seminar/adhoc-w08/literature.html>

➤ **Topics cover:**

- Exploiting controllable mobility
 - To increase capacity
 - To improve routing/data delivery latency
 - For data collection
 - Relocate sensors for coverage
- Target tracking
 - Distributed mobility management
 - Gradient-driven
- Others
 - Fault-tolerant by bi-connectivity of mobile robots
 - Aeronautical MANET
 - Multihop relays deployment
 - Navigating mobile sensors in hybrid sensor network



To Do

- **Submit the list of preferred topics on seminar forum by 25th October, 2008**
- **Any more questions?**

Thank you!



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1st Week

22.10.2008