

# WoWSS Schedule

Friday 19th of November 2010, Espoo Finland

8:30-10:30	<i>Introduction, AS1</i>		
	8:30 Registration and coffee		
	9:00 Opening, Prof. Riku Jäntti	Aalto/Comnet	
	9:05 Plenary, Prof. Karl Henrik Johansson	KTH	
	9:50 Lasse Eriksson	Konecranes	
10:20-10:30	<i>Short break</i>		
10:30:00-12:00	<i>Parallell tracks</i>		
	Track 1a, AS1 <b>Applications track (GENSEN, WISM)</b>		
	10:30 Reino Virrankoski	UWASA	Introduction to WISM and WISM II projects
	10:40 Ossi Kaltiokallio	Aalto/Control	Real-Time Intrusion Detection and Tracking Through Embedded RSSI Processing
	11:00 Markku-Juhani O. Saarinen	Aalto/Comnet	Public-key cryptography for ultra-low power MCUs with application to wireless sensor networks
	11:15 Iiro Jantunen	Aalto/Comnet	Architecture Development for Mobile-phone-centric Ambient Intelligence Applications
	11:30 José Valareso	Aalto/Comnet	Localization Approaches in Wireless Sensor Networks: An RSSI-Based Solution
	11:45 Caner Çuhac	UWASA	Camera Integration to Wireless Sensor Node
	Track 1b, AS1023 <b>System design – methods and tools track (WISA-II)</b>		
	10:30 Riku Jäntti	Aalto/Comnet	Introduction to WISA-II project
	10:40 Huseyin Yigitler	UWASA	Stackable Wireless Sensor and Actuator Network Platform for Wireless Automation: the UWASA Node
	11:00 Mikael Björkbom	Aalto/Control	PiccSIM - co-simulation and design of wireless control systems
	11:15 Jari Kuusisto	Aalto/Comnet	WSN Routing, Where Art Thou?
	11:30 Upendar Kallu	Aalto/Control	Identification and control of wireless networked systems
	11:45 Tenager Bekalu	Aalto/Control	Local ARQ for WSN
12:00-13:00	<b>Lunch break</b>		
13:00:00-15:00	<i>Parallell tracks</i>		

Track 2a, AS1 **Structural health monitoring track (ISMO)**

13:00	Jyrki Kullaa	Aalto/Appmech	Introduction to ISMO
13:15	Antti Huhtala	Aalto/Mathsys	Model based damage identification from vibration data
13:30	Maurizio Bocca	Aalto/Control	Centralized and Decentralized Approach to Structural Health Monitoring with Wireless Sensor Networks
13:45	Emre Ilke Cosar	Aalto/Control	ISMO Demonstrator
14:00	Janne Toivola	Aalto/ICS	Structural health monitoring with distributed feature extraction
14:15	Nie Pin	Aalto/CSE	Mires++: A Reliable, Energy-aware Clustering Algorithm for Wireless Sensor
14:30	Jari Nieminen	Aalto/Comnet	Delay-Throughput Analysis of Multi-Channel MAC Protocols in Ad Hoc Networks

Track 2b, AS1023 **Advances in wireless sensor networking and applications**

13:00	Pirkka Tukeva	VTT	
13:30	Reino Virrankoski	UWASA	Introduction to GENSEN
13:45	Joni Silvo	Aalto/Control	Reliable networking for wireless real-time applications
14:00	Maurizio Bocca	Aalto/Control	TSMP-lite: Initialization
14:15	Aamir Mahmood	Aalto/Comnet	TSMP-lite: Channel ranking
14:30	José Valareso	Aalto/Comnet	TSMP-lite: Routing and scheduling tool
14:45	Emre Ilke Cosar	Aalto/Control	TSMP-lite: Stack
15:00-17:00	<i>Posters, Demos &amp; Coffee</i>		