

**PhD-Seminar for Doctoral Candidates and Professors
of the "Centre of Competence for Computer Networks and Distributed
Systems (CCNDS)" at Faculty 2
of the Frankfurt University of Applied Sciences**

When? Wednesday, 29th of June 2016, 5:00-7:00 pm

Where? BCN-Building, Room 533

As a part of the offer of the CEDAR Graduate School (Centre for Doctoral Applied Research) we are looking forward to invite You to first PhD-Seminar in 2016 for Doctoral Candidates and Professors of the "[Centre of Competence for Computer Networks and Distributed Systems](#)":

- **Welcome by Prof. Dr. Sergej Alekseev** (Head of [Frankfurt Node](#))

- **Alexander Novinskiy:**
"A view of WSN-facilitating Application's Design and a Cloud Infrastructure in Academic Environment and Research"

- **Johannes Kinzig, Marco Schindler, Christian von Harscher :**
"Cloud Application for Secure Data Transmission and Storage"

- **Get together**

Speakers and topics:

Alexander Novinskiy: WSN and IoT group, FB2, Frankfurt University of Applied Sciences,
a.novinskiy@fb2.fra-uas.de

This paper presents a view of seamless integration of Wireless Sensor Networks and server-side applications working with sensor data. The aim of this paper is to show a vector toward organizing a flexible and scalable platform for educational and research institutions or small organizations which demand privately running "Internet of Things" solutions when having restricted computational resources.

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Johannes Kinzig, Marco Schindler, Christian von Harscher: Cand. M.Sc. B.Eng., Master: High Integrity Systems, Scientific assistants at Faculty 2 / Research Group Operating Systems and Computer Networks

Lots of applications rely on the transmission of userspecific data into an environment where the data is analyzed and used for controlling, such as industrial production applications or scientific research applications. The more data available from an application the better it can be used for evaluation and assessment. These data are mostly stored inside cloud environments because cloud infrastructures deliver high flexibility and availability.

A lot of applications gather classified information which need to be held secure from unauthorized access. This is very hard to realize when using cloud infrastructures because it is hard to tell where the actual data is located and who has access to the providers' servers.

Therefore a special cloud infrastructure is needed to provide data privacy. Not only for the transmission of the data but also for the storage. Also it is the user's choice which data is shared to the cloud and which data should stay on the user's device.

In case of participation please confirm with a short message

– not later than Friday, 24th of June 2016 – to ambach@mc.fra-uas.de.

If there are any questions please call me: [069-1533-3970](tel:069-1533-3970).

Please feel free to forward this invitation to other interested Master students.

We are looking forward to Your active participation!

Best regards

Hans Ambach