



**South Saskatchewan Annual General Meeting
Dinner Presentation
Speaker: Dr. Ralph Deters – U of Sask.**

“Mobile Cloud Computing”

- Date:** Nov. 6th/2014
- Location:** **University Club**
215 College West Building
University of Regina
- Program:** 6:30 pm – Registration and Cocktails (Cash Bar)
7:00 pm - Supper
8:00 pm - Keynote Address (General Meeting follows Presentation)
- Cost:** IEEE Students \$10 / Non-IEEE Students \$15
IEEE Members \$20 / Non-members \$30

RSVP by email to Section Chair (Seating is Limited): craig@gelowitz.org



Dr. Ralph Deters is a professor in the department of computer science at the University of Saskatchewan. Ralph obtained his Ph.D. 1998 from the federal Armed Forces University in Munich and joined the UoS as a research associate the same year. His research focusses on the study and development of software infrastructure(s)/middleware to ensure that users of a mobile device are 1st class citizens within IT systems.

Talk:

Cloud-Computing allows individuals and organizations to purchase virtualized hardware (Infrastructure as a Service, IaaS), software platforms (Platform as a Service, PaaS) or applications/functionality (Software as a Service, SaaS) in a pay-as-you-go manner, comparable to the metered purchase of electricity, gas or water and is most often seen as a solution to improve scalability and reduce costs for IT solutions. Mobile Cloud-Computing (MCC) focuses on using mobile devices to engage cloud-hosted services and is therefore the intersection of cloud-computing and mobile-computing. The main driver for MCC is the decline of the PC and its replacement with the rising number of mobile devices (tablets & smartphones). According to Gartner in 2014 the combined shipments in the PC market (traditional PC, laptops & ultra-mobiles) are expected to reach 316 million units (worldwide). By contrast the worldwide sales of tablets are expected to reach 320 million units (worldwide) and smartphones (66% of mobile handset market) are expected to reach 900 million units. To overcome the apparent lack of computational resources when compared to PCs, Mark Baccue proposed the idea of using cloud-computing which has led to a virtuous cycle in which cloud-computing and mobile devices drive each other's growth. It is therefore not surprising that MCC, as the combination of mobile and cloud-computing is establishing itself within IT. Even Microsoft's CEO Satya Nadella [Bold Ambition & Our Core, <http://news.microsoft.com/ceo/index.html>] acknowledges the fundamental shift to mobile-first and cloud-first (aka MCC).

This talk will focus on the potential and challenges within MCC and discuss the eventual merging of mobile, cloud and ubiquitous computing.