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# Einladung zum ivESK-Kolleg

## „A browser for Things: Using the Accessors Software Architecture“

Mi, 27. Juni 2018, 14.00 Uhr – 14.30 Uhr

Raum E110

Hiermit laden wir herzlich alle Kollegen und Studierenden zu einem interessanten Vortrag von Prof. Dr. Chadlia Jerad von unserer Partnerhochschule ENSI in Tunis ein.

**Abstract:**

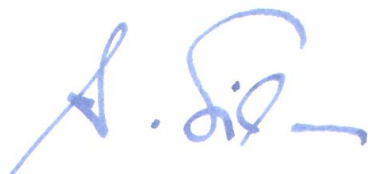
The Internet of Things (IoT) describes the growing trend of providing the surrounding Things with internet connectivity, enabling thus an unlimited potential of applications. However, the way the web was technically shaped was for humans use only. Adding Things just put the focus on the technical mismatch between both use cases. In my talk, I will outline how the Accessors Framework developed at UC Berkeley can help coping with this mismatch. Accessors are component-based software architecture that relies on Actor model and uses “asynchronous atomic callbacks” (AAC) pattern for handling interactions. They are proxies for services and things that are analogous to web pages. In particular, I will show, by analogy, how an accessor host can be the browser for Things and examine the role that deterministic models, particularly with regard to timing, can play in an a highly nondeterministic environment.

**The Speaker:**

Chadlia Jerad received Dipl.Ing. and Ph.D. degree, both in Electrical Engineering from ENIT, University of Tunis El Manar in respectively 2002 and 2008. Since 2009, she joined ENSI at University of Manouba, Tunisia as an associate Professor. From 2014 to 2016, she served as coordinator of the embedded systems and software specialization. She was the Tunisian partner of several DAAD funded projects with TU Dresden and HS-Offenburg. From September 2016 till August 2017, Chadlia visited the research group of Prof. Edward A. Lee at University of California Berkeley as a Fulbright Visiting Scholar. Her research interests include embedded systems, Internet of Things and rewriting logic.



Wir freuen uns auf Ihre Teilnahme und eine interessante Diskussion.



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