

EINLADUNG

Zeit: Donnerstag, 30.06.2011, 16.30 Uhr
Ort: AH I, Ahornstr. 55
Referent: Prof. Mark Guzdial, Ph.D. (Georgia Tech)
Titel: Using Digital Media to Motivate Learning about
Computer Science

Abstract:

Today's students live in a world filled with digital media, from listening to music in digital form, viewing YouTube videos, and sharing digital photographs. If we teach computer science in terms of only numbers and words, we seem old-fashioned and out-of-touch. Our students understand computing as being primarily about digital media. In this talk, I will present tools and technique for teaching computer science through manipulation and creation of digital media. I will present some research results showing the effectiveness of these techniques at improving student engagement and retention.

Bio:

Mark Guzdial is a Professor in the School of Interactive Computing in the College of Computing at Georgia Institute of Technology. His research focuses on learning sciences and technology, specifically, computing education research. He has published several books on the use of media as a context for learning computing. He received the Ph.D. degree in Education and Computer Science from the University of Michigan in 1993. He serves on the both ACM's Education Board and the Special Interest Group in CS Education (SIGCSE) Board, and is on the editorial boards of the "Journal of the Learning Sciences," "ACM Transactions on Computing Education," and "Communications of the ACM." With his wife and co-author, Barbara Ericson, he was awarded the 2010 ACM Karl V. Karlstrom Outstanding Educator award.