



## HPI Kolloquium

**22. Januar 2009, 16.00 Uhr**

Hasso-Plattner-Institut, Vorlesungsgebäude, Auditorium 1  
Prof.-Dr.-Helmert-Str. 2-3, 14482 Potsdam-Babelsberg

### **“Assistive Technologies in Instrumented Spaces”**

Prof. Dr. Antonio Krüger

Westfälische Wilhelms-Universität Münster  
Institut für Geoinformatik

#### **Abstract**

This talk will investigate the design of systems that intelligently support users in a ubiquitous computing environment. The focus lies on novel human computer interaction paradigms which act as a bridge between the real and the digital world. The talk discusses the way how the design and the implementation of these interaction paradigms can be informed by intelligent technologies and usability studies.

After an investigation of the advantages and drawbacks of several deployed research prototypes from the areas of mobile embedded interaction, public advertising, spatial navigation, and interactive surfaces, the talk will present novel interaction patterns based on AI and user-centered design methods.

#### **Gastgeber**

Prof. Dr. Jürgen Döllner  
HPI, Fachgebiet Computergrafische Systeme  
[www.hpi3d.de](http://www.hpi3d.de)

Diese Vortragsveranstaltung findet gemeinsam mit der Deutschen Gesellschaft für Kartographie, Sektion Berlin-Brandenburg und dem Verband der Geoinformationswirtschaft Berlin-Brandenburg Geokomm, Fachgruppe 3D-Raummodelle statt.

Kontakt: Prof. Dr. Jürgen Döllner ([office-doellner@hpi.uni-potsdam.de](mailto:office-doellner@hpi.uni-potsdam.de)),  
Besucheranschrift: Fachgebiet Computergrafische Systeme, Hasso Plattner Hightech Park,  
Seitliches Nebengebäude, 1. OG., August-Bebel-Str. 88, 14482 Potsdam  
Telefon: +49 (0)331 97 992 580