Preface

This volume contains the papers presented at Workshop Tactile/Haptic User Interfaces for Tabletops and Tablets (TacTT2014), held on November 16th, 2014 in Dresden, and in conjunction with ACM ITS 2014.

The committee decided to accept 10 papers. Each submission was reviewed by at least 2 reviewers. 3 papers focus on Tangible User Interfaces on large-scale tablets, 5 papers are about Tactile User Interfaces on Pin-Matrix Displays, and 2 papers develop Haptic User Interfaces for Mobility purposes.

Tactile User Interfaces on Pin-Matrix Displays

Denise Prescher. "Redesigning Input Controls of a Touch-Sensitive Pin-Matrix Device".

Jens Bornschein. "BrailleIO - a Tactile Display Abstraction Framework".

Stephan Pölzer and Klaus Miesenberger. "A Tactile Presentation Method of Mind maps in co-located Meetings".

Wissawin Kunchornsup, Fabrizio Leo, Franco Bertora, Despina Fragouli, Simona Petroni and Luca Giulio Brayda. "Study of Static Tactile Detection Threshold via Pneumatically Driven Polydimethylsiloxane Membrane".

Jens Bornschein and Denise Prescher. "Collaborative Tactile Graphic Workstation for Touch-Sensitive Pin-Matrix Devices".

Haptic User Interfaces for Mobility

Peter Conradie, Tina Mioch and Jelle Saldien. "Blind User Requirements to Support Tactile Mobility".

Alexander Fickel and Limin Zeng. "Vibrotactile Exploration of Indoor Objects".

Tangible User Interfaces

Mirjam Augstein and Thomas Neumayr. "Touch and Tangibles - Interacting with fun.tast.tisch. Results of a Study with Non-Target-Group Users".

Jan Bernoth, Yves Wittstock, Raphael Zender, Tina Urbach and Ulrike Lucke. "Preparing a Psychological Experiment on a Tactile Display"

Sebastian Meier. "The Micro Smart Grid Tabletop - A real world case study for tangible multitouch technologies for communicating complex concepts".

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