

# Lecture Series

## Winter Term 2015/2016

The Transregional Collaborative Research Center (SFB-TRR) 161 invites all colleagues and interested people to the upcoming Lecture Series. During these events renowned scientists will talk about their research findings in the field of visual computing.

## Quality and Beyond

### Invitation to a talk

within the SFB-TRR 161 Lecture Series

**25-1-2016**

4:30 p.m.

University of Stuttgart  
VISUS-Building  
Allmandring 19, Vaihingen  
Powerwall Room -01.116

University of Konstanz,  
Universitätsstr. 10, Konstanz  
Powerwall C202  
(Live Transmission)

**Per Ola Kristensson**, University of Cambridge

### The surprisingly narrow design space of interaction techniques: a case for information engineering blended with behavioural design

Throughout the years we have been blessed with ever more efficient computing systems. However, the interaction techniques that allow us to tap into all this power have not always kept pace. In this talk I will argue that the reason for this is the perhaps surprisingly narrow design space that forms the envelope of design of feasible interaction techniques that users are willing to adopt. As a potential way forward I will demonstrate how information engineering blended with behavioural design can potential overcome this challenge.

#### About the speaker

Per Ola Kristensson is a University Lecturer in the Department of Engineering at the University of Cambridge. He is interested in designing intelligent interactive systems that enable people to be more creative, expressive and satisfied in their daily lives. His PhD thesis was on gesture keyboard technology for touchscreens and in 2007 he co-founded ShapeWriter, Inc. to commercialise this technology. He was the Director of Engineering of this company until it was acquired by Nuance Communications in 2010. ShapeWriter was selected as the 8th best iPhone application by Time magazine in 2008 and won a Google Android ADC50 developer award in the same year. He did his doctoral work at the Institute of Technology at Linköping University, Sweden and at IBM Almaden Research Center in San Jose, California, USA (Ph.D.

Computer Science 2007). In 2008-2011 he was a Junior Research Fellow at the University of Cambridge (Darwin College) and in 2011-2014 he was a Lecturer at the University of St Andrews. He is an Honorary Associate Professor (Docent) in Computer and Systems Science at Stockholm University, Sweden and an Honorary Reader at the University of St Andrews. In 2013 he was recognised as an Innovator Under 35

(TR35) by MIT Technology Review and appointed a Member of the Royal Society of Edinburgh Young Academy of Scotland. In 2014 he won the ACM User Interface Software and Technology (UIST) Lasting Impact Award and the Royal Society of Edinburgh Early Career Prize in Physical Sciences, the Sir Thomas Makdougall Brisbane Medal. He is an Associate Editor of ACM Transactions on Intelligent Interactive Systems and the International Journal of Human-Computer Studies.

