

Eleventh International Conference on

# COMPUTABILITY & COMPLEXITY IN ANALYSIS 2014

21-24 July 2014, Darmstadt, Germany

## Invited Speakers

Matthew de Brecht (Osaka, Japan)  
Martín Escardó (Birmingham, UK)  
Johanna Franklin (Storrs, USA)  
Timothy McNicholl (Ames, USA)  
Alexander Melnikov (Singapore)  
Arno Pauly (Cambridge, UK)

## Programme Committee

Vasco Brattka, chair (Munich, Germany)  
Mathieu Hoyrup (Nancy, France)  
Zvonko Iljazović (Zagreb, Croatia)  
Joseph S. Miller (Madison, USA)  
Takayuki Kihara (JAIST, Japan)  
Ulrich Kohlenbach (Darmstadt, Germany)  
Elvira Mayordomo (Zaragoza, Spain)  
Norbert Müller (Trier, Germany)  
Daniel Roy (Cambridge, UK)

## Organising Committee

Ulrike Brandt (Darmstadt, Germany)  
Vassilis Gregoriades (Darmstadt, Germany)  
Martin Ziegler, chair (Darmstadt, Germany)

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## Topics

Computable analysis  
Complexity on real numbers  
Constructive analysis  
Domain theory and analysis  
Theory of representations  
Computable numbers, subsets and functions  
Randomness and computable measure theory  
Models of computability on real numbers  
Realizability theory and analysis  
Reverse analysis  
Real number algorithms  
Implementation of exact real number arithmetic

**Special Session**  
Implementation of exact  
real number arithmetic  
organised by Norbert Müller



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