

*Fifteenth International Conference on*

# COMPUTABILITY & COMPLEXITY IN ANALYSIS 2018

*5-8 August 2018, Lake Kochel, Germany*

Held in Honour of  
Klaus Weihrauch's 75th birthday

## *Invited Speakers*

Pieter Collins (Maastricht, Netherlands)  
Daniel Graça (Faro, Portugal)  
Rupert Hölzl (Munich, Germany)  
Neil Lutz (Philadelphia, USA)  
Ludovic Patey (Lyon, France)  
Diogo Poças (Hamilton, Canada and Munich, Germany)  
Matthias Schröder (Darmstadt, Germany)  
Florian Steinberg (INRIA, France)

## *Programme Committee*

Laurent Bienvenu (Montpellier, France)  
Hannes Diener (Christchurch, New Zealand)  
Denis Hirschfeldt (Chicago, USA)  
Rupert Hölzl (Munich, Germany)  
Zvonko Iljazović (Zagreb, Croatia)  
Takayuki Kihara (Nagoya, Japan)  
Elvira Mayordomo (Zaragoza, Spain)  
Norbert Müller (Trier, Germany)  
Ning Zhong (Cincinnati, USA)  
Martin Ziegler, chair (Daejeon, Republic of Korea)

## *Organising Committee*

Vasco Brattka, chair (Munich, Germany)  
Peter Hertling (Munich, Germany)  
Rupert Hölzl (Munich, Germany)  
Philip Janicki (Munich, Germany)

## *Topics*

Computable analysis  
Complexity on real numbers  
Constructive analysis  
Domain theory and analysis  
Effective descriptive set theory  
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

## *Important Dates*

**Submission deadline:** April 2, 2018  
**Notification of authors:** May 7, 2018  
**Final version:** June 4, 2018  
**Registration deadline:** June 18, 2018

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