New Trends in Quaternions and Octonions

2015 December 11-12

universidade de aveiro

SCOPE

The workshop *New Trends in Quaternions and Octonions* aims to present recent advances in the research on quaternions and octonions gathering scientists working in pure as well as applied mathematics, scientific computation and applications in physics, engineering and other applied sciences.

This workshop represents an opportunity to discuss recent developments in the field of quaternions and octonions, may they be theoretical, computational or real-world applications.

INVITED SPEAKERS

- **Klaus Gürlebeck ::** Bauhaus-Universität Weimar, Germany
  Interpolation and approximation with quaternion-valued monogenic functions
- **Drahoslava Janovská ::** University of Chemistry and Technology, Prague, Czech Republic
  Matrices without eigenvalues
- **Gerhard Opfer ::** Department of Mathematics, University of Hamburg, Germany
  Zeros of unilateral quaternionic and coquaternionic polynomials
- **Susanne Pumplün ::** School of Mathematical Sciences, University of Nottingham, UK
  Factoring skew polynomials over Hamilton's quaternion algebra and the complex numbers

ORGANIZATION

Helmuth Malonek & Isabel Cação :: University of Aveiro

José Vitória :: University of Coimbra

Fernando Miranda & Maria Irene Falcão :: University of Minho

CIDMA]

FCT
Fundação para a Ciência e a Tecnologia
MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR

Universidade do Minho
Escola de Ciências
Centro de Matemática

URL

http://w3.math.uminho.pt/NTQO2015