

REPORT

## Sixth Workshop New Trends in Quaternions and Octonions

by Patrícia Damas Beites\*

The *Sixth Workshop New Trends in Quaternions and Octonions* (NTQO 2022) took place in November 25–26, 2022, at the *University of Beira Interior* (Covilhã, Portugal). The event was organized by the *Centre of Mathematics and Applications of the University of Beira Interior* (CMA-UBI), jointly with the *Center for Research & Development in Mathematics and Applications* (CIDMA-UA) and the *Centre of Mathematics of the University of Minho* (CMAT-UMinho). There were several short communications, and four invited lectures by **Helmuth Malonek** (University of Aveiro, Portugal), **Nichol Furey** (Humboldt University of Berlin, Germany), **Rui Pacheco** (University of Beira Interior, Portugal) and **Vladislav Kravchenko** (CINVESTAV, Mexico) (see <https://w3.math.uminho.pt/NTQO/>).

As in the previous editions, held at the *University of Trás-os-Montes e Alto Douro* (2021), *Polytechnic Institute of Guarda* (2020), *University of Coimbra* (2019), *University of Minho* (2016) and *University of Aveiro* (2015), NTQO 2022 aimed to present recent advances in the research on quaternions and octonions, and their applications. Furthermore, this workshop was an opportunity for the 62 participants, from 13 countries (Brasil, Germany, Israel, Italy, Lithuania, Mexico, Pakistan, Portugal, Russia, Spain, Turkey, USA, Uzbekistan), to discuss recent developments related to quaternions and octonions. Next edition – the seventh – will take place in 2023, at the *Polytechnic Institute of Leiria*.

\* Dep. of Mathematics of the University of Beira Interior and CMA-UBI [pbeites@ubi.pt]  
On behalf of the Organizing Committee