# Nonlinear PDEs in Guimarães

## 21–25 July 2025

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This conference was a joint initiative of CMAT (*Centre of Mathematics*) of the University of Minho, which hosted the event, CAMGSD (*Centre for Mathematical Analysis, Geometry and Dynamical Systems*) and CEMS.UL (*Centre for Mathematical Studies*), both from the University of Lisbon, CMUC (*Centre for Mathematics*) of the University of Coimbra, and CNRS (*Centre National de la Recherche Scientifique*) together with the *Institute of Mathematics* of the University of Toulouse. The conference also received financial support from CIM (*Centro Internacional de Matemática*) and FLAD (*Federação Luso-Americana para o Desenvolvimento*). This conference followed a previous one, *Nonlinear PDEs in Braga*, which took place at the Congregados Building of the University of Minho in Braga from June 7 to 9, 2019.

The main goal of the conference was to bring together the large community working on and/or interested in nonlinear PDEs, including elliptic, parabolic, dispersive, and coagulation–fragmentation equations.

Many problems in this field require a multidisciplinary approach, and the organizing committee aimed to bring together experts and early-career mathematicians to foster the exchange of ideas and to forge new collaborations and perspectives that may benefit the entire field of nonlinear PDEs. Lively and stimulating discussions took place during the breaks between talks and over coffee breaks, further enriching the scientific exchange.

The chosen venue, the Azurém Campus of the University of Minho in Guimarães, proved to be an excellent choice, as all participants were able to enjoy the unique character of the city—known as the birthplace of Portugal—and its historic center, a UNESCO World Heritage, during their free time.

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