



# Swansea Summer School in Nonlinear PDEs

1 – 5 July 2024, Swansea University

## Minicourse lecturers

**Martino Bardi** (Università degli Studi di Padova, Italy)

*Fully nonlinear degenerate elliptic equations: qualitative properties of viscosity solutions*

**Serena Dipierro** (University of Western Australia)

*Nonlocal equations and applications*

**Louis Jeanjean** (Université de Franche-Comté, France)

*On nonlinear quantum graphs*

**Enrico Valdinoci** (University of Western Australia)

*Nonlocal minimal surfaces and phase transitions*

**Jean Van Schaftingen** (UCLouvain, Belgium)

*Sobolev mappings into manifolds*

## Guest lecturers

**John Ball** (Heriot-Watt University)

**Juan Davilla** (University of Bath)

**Nicolas Dirr** (Cardiff University)

**Xue-Mei Li** (Imperial College London)

**Florian Theil** (University of Warwick)

**Zoe Wyatt** (University of Cambridge)

## Organisers

**Elaine Crooks** (Swansea), **Federica Dragoni** (Cardiff), **Vitaly Moroz** (Swansea)



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