Abstract

Oberwolfach Workshop:

Calculus of Variations

Dates:

29 July - 4 August 2018   (Code: 1831)

Organizers:

Alessio Figalli, Zürich
Robert V. Kohn, New York
Tatiana Toro, Seattle
Neshan Wickramasekera, Cambridge UK

The Calculus of Variations is at the same time a classical subject, with longstanding open questions which have generated exciting discoveries in recent decades, and a modern subject in which new types of questions arise, driven by mathematical developments and by emergent applications.

It is also a subject with a very wide scope, touching on interrelated areas that include geometric variational problems, optimal transportation, geometric inequalities and domain optimization problems, elliptic regularity, geometric measure theory, harmonic analysis, material sciences, free boundary problems, etc.

The workshop will balance the traditional interests of past conferences with new emerging perspectives.