Head of the Ph.D course:

Web site:

Prof. Gianluigi Rozza

Mathematical Analysis, Modelling, and Applications

Research lines:

- Conservation Laws
- Transport Problems
- Geometric PDEs
- Numerical Analysis of PDEs
- Nonlinear Analysis
- Dynamical Systems
- Calculus of Variations
- Gamma-Convergence and Multiscale Analysis
- Rate independent evolution problems
- Geometric Control Theory
- Sub-Riemannian Geometry
- · Inelastic behavior of solids: plasticity, damage, fracture
- Mechanobiology of the cell and cell motility
- Mechanics of soft and active materials
- Reduced basis methods
- · Boundary integral methods and isogeometric analysis
- Fluid-structure interaction problems
- Computational Fluid and Solid Mechanics

Fellowships available: 8

Academic and scientific qualifications + written exam + oral exam

Beginning of the Courses: 1 October, 2019

Evaluation of academic and scientific qualifications: 10 points

Access to Written Exam: minimum mark of 7/10 on academic and scientific qualifications

Evaluation of Written Exam: 40 points

Access to Oral Exam: minimum mark of 28/40 in the written exam evaluation

Evaluation of Oral Exam: 50 points

Total Evaluation: 100 points

Eligibility: 70 points

First Session

Admission:

Deadline for online submission of applications: 12 March, 2019

Written Exam:27 March, 2019Oral Exam:28 March, 2019

Second Session (only if there should still be places available after the first one)

Deadline for online submission of applications: 22 August, 2019

Written Exam: 10 September, 2019 Oral Exam: 11 September, 2019

Admission to the written exam and results of all evaluations will be notified by email.