



UNIVERSITÀ DEGLI STUDI DELL'AQUILA
M&MOCS

International Research Center on
MATHEMATICS AND MECHANICS
OF COMPLEX SYSTEMS



Felix Otto is currently Director of the Max Planck Institute for Mathematics in the Sciences (Leipzig, Germany), as well as Honorary Professor of Analysis and Mathematical Modelling at the University of Leipzig. He obtained his Ph.D. in 1993 from the University of Bonn (Germany). From 1995 to 1996 he was Visiting Scholar at the Courant Institute (New York, USA), and then a Postdoctoral Associate from 1996 to 1997, at Carnegie Mellon University (Pittsburgh, USA) first and then at Courant Institute. He became Assistant Professor at the University of California at Santa Barbara (USA) in 1997, and then Full Professor from 1998 to 1999 at the same University, and from 1999 to 2010 at the University of Bonn. From 2006 to 2009 he was Managing Director of the cluster of excellence “Hausdorff Center for Mathematics”. In 2010 he obtained his current positions as Director of the Max Planck Institute for Mathematics in the Sciences and Honorary Professor at the University of Leipzig.

Felix Otto is a member of the Academy of Science of the State of Nordrhein-Westfalen, the German Academy of Sciences Leopoldina, Berlin-Brandenburg Academy of Sciences and Humanities, and Academia Europaea. He has received several rewards and prizes, including the Max Planck Research Prize in 2001 and the Collatz price of ICIAM (International Council for Industrial and Applied Mathematics) in 2007.

The Felix Otto's main research interests lies in a large variety of mathematical arguments and methods as the stochastic PDE and homogenization, gradient flows and mass transportation, entropy solutions, multi scale approaches and scalar conservation laws to deal with concrete problems as superconductors, crystal growth, fluid dynamics, viscous films, porous media flow and others. It is impressive his huge number of deep contributions in different fields of mathematical physics and applied mathematics, circumstance which makes Felix Otto personality rather singular in an époque of too much stressed specialisation.

The scientific activity of Felix Otto is impressive as regards the deepness of the results, the remarkable impact on the scientific community, the magnitude of the horizons.

For all these reasons the Scientific Committee of the Levi-Civita Prize in Mechanical and Mathematical Sciences is honored to propose Felix Otto as the recipient of the 2020 edition of the prize.