Date: February 3, 10:00-12:30

Venue: UPF Barcelona School of Management, Carrer de Balmes, 132, 08008 Barcelona, Spain

Title: Models of pandemics: What should we do differently next time?

The four speakers draw on their experience of writing about the use of mathematical modelling during and after the last pandemic to strike a balance. The pandemic was an occasion for policy learning, and the speakers reflect today on what advice they would provide if or when a new pandemic with poorly known features were to appear.

Chair: Ismael Rafols, INGENIO (CSIC-UPV), Universitat Politècnica de València.

Speakers:

Tsuyoshi Hondou
Graduate School of Science, Tohoku University (Japan)
Modelling Cost-Benefit Analysis for COVID-19 Counter-measures: How to Communicate with the Media and Society?

Andrea Saltelli
University Pompeu Fabra, Barcelona School of Management and Centre for the Study of the Sciences and the Humanities, University of Bergen, Norway
Mathematical Modelling at Times of Pandemic: The Good, the Bad and the Ugly

Samuele Lo Piano
Faculty of Management and Economics, Gdańsk University of Technology, Gdańsk, Poland and University Pompeu Fabra, Barcelona School of Management
Beyond Outcome Disparities: A Sensitivity Framework for Auditing Model Fairness

Alessio Lachi
Department of Medicine
Saint Camillus University, Rome, Italy
Predicting the Unpredictable: SIR Models and Uncertainty Quantification in COVID-19