



CONFERENCE INVITATION

**With the Nobel Price 2021
Prof. Guido W. IMBENS**

**Machine Learning in Program Evaluation,
High-dimensionality and Visualization Techniques**



June 20- 21



**cf.
Programme**



**Maison du Savoir
Grand auditoire
2, avenue de l'Université
L-4365 Esch-sur-Alzette**

To register :

<https://www.liser.lu>

CONFERENCE PROGRAMME



JUNE 20, 2023

- 8:00 – 8:50 Registration & Welcoming
- 8:50 – 9:00 FNR Opportunity funding
- 9:00 – 9:15 Opening Remarks by Claude Meisch, Minister for Higher Education and Research (TBC)
- 9:15 – 9:30 Opening Remarks by Prof. Aline Muller, CEO of LISER
- 9:30 – 11:00 Introduction to the theory of advanced Machine Learning techniques & Applications to real data I - Prof. G. Imbens
- 11:00 – 11:30 [Coffee break](#)
- 11:30 – 13:00 Introduction to the theory of advanced Machine Learning techniques & Applications to real data II - Prof. G. Imbens
- 13:00 – 14:00 [Lunch break](#)
- SESSION 1: Estimation of Treatment Effects in a High-Dimensional Setting**
- 19:00 – 22:30 Gala dinner (for the registered participants)

JUNE 21, 2023

- 8:30 – 9:50 Introduction to Machine Learning with IV and applications to real data - Prof. M. Huber
- 9:50 – 10:20 [Coffee break](#)
- 10:20 – 11:50 Introduction to the theory of causal graphical models and applications to real data - Prof. S. Vansteelandt
- 11:50 – 13:10 Regression Discontinuity Design & Machine Learning - Prof. F. Mealli
- 13:10 – 14:00 [Lunch Break](#)
- SESSION 2: Machine Learning and Causal Inference in health, social and labor market studies**
- 14:00 – 17:30 Presentation of research papers and discussion
- 17:30 – 18:00 Concluding Remarks: Prof. Imbens and Prof. Gathmann
- 19:00 – 22:30 Programme "Decision & Policy Making"
Minister for Development Cooperation and Humanitarian Affairs,
Franz Fayot
Round Table
Walking Dinner