Planning under Uncertainty in Energy Markets and Transportation

Hotel Delle Alpi, Passo del Tonale (Italy) | www.hotel-dellealpi.com

TOPICS

- Optimization under uncertainty: models and algorithms
- Electricity market design and equilibrium models
- Renewable integration, storage and hydropower scheduling
- Planning and operations in transportation systems
- Artificial Intelligence and machine learning for sequential decision-making, including Markov decision processes and reinforcement learning

CONFIRMED SPEAKERS

Mette Helene Bjørndal, NHH, Norway
Audun Botterud, MIT, USA
Erlon Finardi, UFSC, Brazil
Stein-Erik Fleten, NTNU, Norway
Steven Gabriel, University of Maryland, USA
Magnus Korpås, NTNU, Norway
Francesca Maggioni, University of Bergamo, Italy
Giovanni Micheli, University of Bergamo, Italy
Giovanni Pantuso, University of Copenhagen, Denmark
Andy Philpott, University of Auckland, New Zealand
Sara Séguin, Université du Québec à Chicoutimi, Canada
Afzal Siddiqui, Stockholm University, Sweden
Ramteen Sioshansi, Carnegie Mellon University, USA
Alexandre Street, PUC-Rio, Brazil
Andy Sun, MIT, USA
Asgeir Tomasgard, NTNU, Norway
Davi Michel Valladão, PUC-Rio, Brazil
Stein Wallace, NHH, Norway
Sonja Wogrin, TU Graz, Austria
Golbon Zakeri, University of Massachusetts Amherst, USA



APPLICATION (DEADLINE: November 1, 2026)

Regular registration fee: 700 euro, includes accommodation in a shared triple room and three meals per day.

EURO-supported places (limited number): 300 euro, including the same accommodation and meals arrangements. Applicants wishing to be considered for a EURO-supported place must:

- be from a country with a EURO member society or be currently studying in a country with a EURO member society;
- submit their curriculum vitae, a motivation letter and a letter of recommendation from their supervisor.

To apply, please **complete the Application Form.**

Passo del Tonale ITALY





SCHEDULE

Arrival: Sunday 17 January 2027
Welcome reception at 19.00 and dinner starting at 20.00.
The winter school ends before lunch on Saturday 23 January.
Lectures: 18th to 22nd January
– Morning session 8.15 to 11.15
Break (skiing or other activities)
– Afternoon session 15.30 to 19.00
– Dinner 20.00

COURSE CREDITS

There will be in total 30 hours of lectures in the winter school. Upon successful completion 2.5 ECTS will be awarded. This requires formal enrollment in the course at NTNU and this should be completed before the course starts (see https://www.ntnu.edu/studies/research courses).

Duration: 7 days

ORGANIZED BY

Università degli Studi di Bergamo – Dipartimento di Ingegneria Gestionale, dell'Informazione e della Produzione

NTNU Norwegian University of Science and Technology

NHH

SUPPORTED BY

The Research Council of Norway

Norwegian Directorate for Higher Education and Skills

Norwegian Centre for Environment-friendly Energy Research

NTRANS Norwegian Centre for Energy Transition Strategies

RenewHydro

InterPlay

EURO The Association of European Operational Research Societies

EWG Stochastic Optimization

AIRO Associazione Italiana di Ricerca Operativa

SPS

LOCATION & ARRIVAL

Marking the boundary between the regions of Lombardy and Trentino, Passo del Tonale is a natural amphitheatre linking the Val di Sole with the Valcamonica, a sunny panoramic spot that climbs from 1884 metres above sea level up to 3100 metres, between the Ortler Alps and the Adamello-Presanella range. It offers over 100 km of downhill pistes and some 50 km of cross-country trails.

From the Orio al Serio Airport and Linate Airport you can directly book your transfer to Tonale by the following link: FlySki Shuttle (www.flyskishuttle.com), selecting your airport of arrival and as final destination "Passo Tonale". From Milano Malpensa Airport private transfers will be organized.

SCIENTIFIC COMMITTEE

Mette Helene Bjørndal, NHH, Bergen, Norway
Raffaele Cerulli, University of Salerno, Italy
Stein-Erik Fleten, NTNU, Trondheim, Norway
Francesca Maggioni, University of Bergamo, Italy
Asgeir Tomasgard, NTNU, Trondheim, Norway

ORGANIZING COMMITTEE

Francesca Maggioni (chair), University of Bergamo, Italy
Mette Helene Bjørndal, NHH, Norway
Stein-Erik Fleten, NTNU, Norway
Asgeir Tomasgard, NTNU, Norway
Sara Gannau, NHH, Norway
Giovanni Micheli, University of Bergamo, Italy

For more information contact us at:
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or visit the website:
eurotransmodwinterschool2027.unibg.it