





Apologies for cross-posting. Appreciate if you can distribute this CFP to your network.

International Workshop on Big Optimization (WBO 2025)

 **July 31 – August 1, 2025**

 Department of Mathematics and Computer Science, University of Catania, Italy

 **HYBRID FORMAT** (In-person & Online participation)

 <https://www.ants-lab.it/wbo2025/>

Extended Paper Submission Deadline: June 10, 2025

The Workshop on Big Optimization (WBO 2025) aims to bring together researchers, practitioners, and industry experts to explore the challenges and advancements across disciplines such as computer science, operations research, artificial intelligence, and applied mathematics. WBO 2025 offers a hybrid format for both in-person and online participation.

The topics of interest for the event include, but are not limited to, Algorithmic Foundations, Artificial Intelligence in Optimization, Applications of Optimization and Big Data, and Emerging Trends.

For further details, please visit the official website: <https://www.ants-lab.it/wbo2025/>.

PLENARY SPEAKERS

- **Helena Ramalhinho Lourenço**, University Pompeu Fabra, Barcelona
Talk: "Optimization Algorithms with Social Impact"
- **Thomas Stützle**, Université Libre de Bruxelles, Bruxelles
Talk: "A few examples of automated design of algorithms"

IMPORTANT DATES

- **Extended Paper submission: June 10, 2025**
- **Notification of acceptance: June 25, 2025**
- **Camera-Ready Papers (Pre-Workshop): June 30, 2025**
- **Early-registration deadline: June 30, 2025**
- **Workshop Dates: July 31 - August 1, 2025**

TYPES OF CONTRIBUTIONS

- **Regular Papers** (maximum 15 pages): novel and original research contributions.

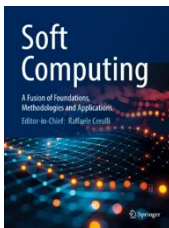
- **Short Papers** (extended abstract of up to 10 pages): novel research works in progress or with preliminary results.
- **Oral Presentations:** high-quality published or preliminary recent works. These contributions are considered for presentation only and are not included in the proceedings.

 **Accepted regular and short papers will be published as post-proceedings in the *Studies in Big Data (SBD)* series by Springer**



<https://www.springer.com/series/11970>

◆ **Selected high-quality papers from the workshop will be invited for submission to one or more post-conference Special Issues in *Soft Computing* (SCOPUS indexed)**



GENERAL CHAIRS

Claudia Cavallaro, University of Catania, Italy (claudia.cavallaro <at> unict.it)

Carolina Crespi, University of Catania, Italy (carolina.crespi <at> unict.it)

Francesco Zito, University of Catania, Italy (francesco.zito <at> unict.it)

SCIENTIFIC COMMITTEE

Christian Blum, Artificial Intelligence Research Institute (IIIA-CSIC), Spain

Raffaele Cerulli, University of Salerno, Italy

Carlos A. Coello Coello, CINVESTAV, Mexico

Vincenzo Cutello, University of Catania, Italy

Luca Di Gaspero, University of Udine, Italy

Paola Festa, University of Naples Federico II, Italy

Salvatore Greco, University of Catania, Italy

Jin-kao Hao, Université d'Angers, France

Mario F. Pavone, University of Catania, Italy

Mauricio G. C. Resende, Amazon, USA

Andrea Schaerf, University of Udine, Italy

Maria Grazia Speranza, University of Brescia, Italy

El-Ghazali Talbi, University of Lille, France

Daniele Vigo, University of Bologna, Italy

PUBLICITY CHAIR

Alessio Mezzina, University of Catania