



ODS₂₀₁₈

International Conference on

Optimization and Decision Science

XLVIII Annual Meeting of AIRO – Italian Operations Research Society
Taormina, September 10th– 13th, 2018

First Announcement and Call for Papers

ODS2018 is the International Conference on **Optimization and Decision Science** organized by **AIRO**, Italian Operations Research Society, in cooperation with **DMI** (Department of Mathematics and Computer Science) of the University of Catania. It will be held at [Hotel Villa Diodoro](#), **September 10-13, 2018, Taormina, Italy**.

The scope of the conference is presenting ideas and experiences, sharing knowledge and creating a point of contact among researchers and practitioners from various sectors (applied mathematics, computer science, engineering, economics), private and public companies, industries and policy makers.

The theme is open in the wide field of optimization, decisions science and problem solving methods, and their application in industrial and territorial systems. The conference topics are reported below but the list is not exhaustive. Papers may address one or more of the topics, although authors should not feel limited by them. Related topics are also acceptable.

All researchers, academics, practitioners and students working on the conference themes are invited to participate to ODS2018 submitting a short paper or an abstract, and organizing sessions.

Methodological and Applicative Topics

Continuous Optimization	Industrial Production
Global Optimization	Supply Chain Management
Linear and Nonlinear Programming	Planning and Project Management
Discrete and Combinatorial Optimization	Business Analytics
Stochastic and Robust Optimization	Financial Modeling and Risk Management
Graph theory and Network Optimization	Traffic and Transportation
Flow Problems	Logistics
Covering and Location	Railway Problems
Path Search and Routing	Maritime Problems
Cutting and Packing	Homeland Security
Scheduling and Timetabling	Critical Infrastructure Protection
Heuristics and Metaheuristics	Emergency and Humanitarian Logistics
Multiple-Criteria Decision Making	Disaster Management
Game Theory	Energy, Environment, Natural Resources and Climate
Artificial Intelligence	Health Care Management
Decision Support Systems	Life Sciences and Sports
ICT and Computer Networks	Practice of OR
Data Mining and DEA	Emerging Applications
Big Data Analytics and Optimization	Optimization Software
Simulation and Queuing Theory	OR Teaching
Control Theory and System Dynamics	Soft OR

Call for papers

Participants have two different ways of submission. They can propose a **short paper** or an **abstract**:

- **Short paper (6 – 8 pages, including front matter and references)**

Short papers will undergo a review process by anonymous referees. Accepted papers will be included in a special volume of the **AIRO Springer Series**, which will be indexed in main scientific databases. They have to be prepared in LaTeX or Word using the Springer template (<https://www.springer.com/cn/authors-editors/book-authors-editors/book-manuscript-guidelines>) and submitted via Springer's Online Conference Service, **OCS**.

- **Abstract (max 2000 characters, space included)**

Abstracts will be selected by ODS2018 Program Committee to be included in the conference ebook of abstracts. They should be prepared using the ODS2018 LaTeX or Word templates which will be available on the conference website (www.airoconference.it/ods2018).

Call for sessions

Session proposals are welcome and have to be sent to ods2018.airo@unict.it at the earliest convenience of the proponent, but in any case within January 31st.

Proposals have to report:

Title of the session and first attempt title, authors, and kind (short paper or abstract) of each contribution.

Special issues

Information about post-conference special issues on indexed international journals will be given in the following announcements.

Information

For detailed information about the conference and the venue, please, visit the Conference website: <http://www.airoconference.it/ods2018>.

For any further information please contact ods2018.airo@unict.it.

Important Dates	
December, 2017	Submission of short paper and abstract will open when Springer OCS available (Acceptance notification within 2 months from the submission)
February 5, 2018	Early registration opens
March 9, 2018	Deadline for short paper submission
April 12, 2018	Deadline for abstract submission
May 4, 2018	Contribution (short paper or abstract) acceptance notification
May 25, 2018	Deadline for early registration
June 4, 2018	Due date for camera-ready paper

Conference Chairs

Program Committee: Patrizia Daniele daniele@dmf.unict.it

Organizing Committee: Laura Scrimali scrimali@dmf.unict.it



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DIPARTIMENTO
di MATEMATICA
e INFORMATICA



Program Committee

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Scrimali Laura (Chair)	University of Catania
Sterle Claudio	University of Naples – Federico II

Plenary Speakers

Nicholas G. Hall	Ohio State University
Panos M. Pardalos	University of Florida
Maria Grazia Speranza	University of Brescia