

Call for papers:

Special Issue of Networks on

**Recent Developments in Arc Routing**

Guest Editors:

Karl F. Doerner, University of Vienna and Sanne Wøhlk, Aarhus University

Networks, an International Journal, publishes material on the analytic modeling of problems using networks, the mathematical analysis of network problems, the design of computationally efficient network algorithms, and innovative case studies of successful network applications. At the occasion of the WARP 5 – Workshop on Arc Routing Problems - to be held in Vienna, Austria from May 22 to May 23, 2025, Networks will publish a special issue dedicated to “Recent Developments in Arc Routing”. Although we strongly encourage the submission of papers presented at WARP 5, this Call for Papers is open to the entire community of academics and practitioners.

WARP5 follows the four previous workshops held in Copenhagen in May 2013 (WARP1), held in Lisbon in May 2016 (WARP2), held in Pizzo in May 2019 (WARP3) and in Valencia in May 2022 (WARP4). All of them focus on Arc Routing Problems and other related problems such as General Routing Problems or Arc Sectoring Problems. The purpose of the workshops and of this special issue is to bring together researchers interested in arc routing to share ideas and strengthen the community and to foster high quality research in the field.

Topics of the special issue can include, but are not limited to:

- **Models.** Works proposing any model typology are invited (single or multiple vehicles, single or multiple objectives, deterministic, stochastic or dynamic settings, etc.).
- **Methods.** Contributions on exact and (meta/mat)heuristic approaches are invited, especially those based on new solution frameworks. In addition, studies on computational complexity issues are encouraged.
- **Applications.** Arc Routing arises naturally in applications related to garbage collection, road gritting, mail delivery, network maintenance, and snow clearing. Contributions concerning these applications are invited. In addition, we particularly welcome studies exploring new areas of application, such as the use of drones or robots.

Please note that all papers submitted for this special issue will undergo the standard peer review procedures established by Networks.

*Important Dates:*

Submission start: August 1<sup>st</sup> 2025

Deadline for submissions: October 30<sup>th</sup> 2025

### *Manuscript Preparation and Submission*

Submitted papers must be original, unpublished and not currently under consideration for publication elsewhere. All submissions must fit within the domain statement of the journal and will be judged for their relevance to the special issue's scope, innovativeness, and the extent of practical research contribution. Contributions should be prepared according to the instructions to authors that can be found on the journal homepage. Authors should submit and upload their contributions using the submission site [Networks - Wiley Online Library](#) indicating in their cover letter that the paper is intended for this special issue. Other inquiries should be sent directly to the Guest Editors in charge of this issue: Karl F. Doerner ([karl.doerner@univie.ac.at](mailto:karl.doerner@univie.ac.at)) and Sanne Wøhlk ([sanw@econ.au.dk](mailto:sanw@econ.au.dk)).