



Challenges and New Opportunities for Next-Generation Recommender Systems

Guest Editors:

Dr. Peng Liu

Department of Computer
Science, Norwegian University of
Science and Technology, NO-
7491 Trondheim, Norway

Dr. Lemei Zhang

Department of Computer
Science, Norwegian University of
Science and Technology, NO-
7491 Trondheim, Norway

Dr. Yong Zheng

Department of Information
Technology and Management,
College of Computing, Illinois
Institute of Technology, Chicago,
IL 60616, USA

Deadline for manuscript
submissions:

closed (15 May 2024)

Message from the Guest Editors

Dear Colleagues,

This special issue solicits the latest and significant contributions on developing and applying efficient user modeling and advanced machine learning techniques for building next-generation recommender systems and particularly on data and model-driven intelligent recommender systems. Topics of interest include but are not limited to, the following:

- Cross-domain/source recommendation
- Context-aware/group/multi-criteria/multi-objective recommender systems
- Multi-modal recommendation
- Explainability/transparency in recommender systems
- Fairness/bias in recommender systems
- Efficient and scalable recommendation techniques
- Pre-trained recommendation model
- Self-supervised learning for recommendation
- Data sparsity, cold start and long-tail issues in recommender systems
- Knowledge transfer and distillation in recommender systems
- Surveys, reviews and prospects on next-generation recommender systems

You are welcome to contribute!!!





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [CAPus / SciFinder](#), [Inspec](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Electrical and Electronic Engineering*) CiteScore - Q2 (*Electrical and Electronic Engineering*)

Contact Us

Electronics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](https://twitter.com/electronicsMDPI)