Special Issue

Advanced Displays: OLED, QLED, and Beyond

Message from the Guest Editors

OLEDs, which are ultrathin, flexible, and transparent, have been studied and successfully commercialized for smart phones, television sets, etc. Despite f these successes, organic materials and devices still face many challenges. Considering the current structure of active-matrix (AM) OLED displays, both OLED units and TFTs are better to unite for durable displays for flexible and rollable applications. In addition to OLEDs, quantum dot-based light-emitting devices (QLEDs) have attracted keen interest because inorganic quantum dots (QDs) can change emission colors via size control. Particular attention has focused on the stable nature of inorganic QDs, which can overcome the stability issue of OLEDs. However, the shape factor of QDs poses various hurdles during QLED fabrication. Therefore, in-depth studies should be conducted toward achieving the commercialization of genuine QLEDs. New ideas can generate advanced displays beyond OLEDs and QLEDs, which can be realized in the future. This Special Issue aims to publish valuable research works (materials and devices) in the field of advanced displays including OLEDs, QLEDs, new light-emitting devices, transistors, etc.

Guest Editors

Dr. Youngkyoo Kim

Organic Nanoelectronics Laboratory, KNU Institute for Nanophotonics Applications (KINPA), Department of Chemical Engineering, School of Applied Chemical Engineering, Kyungpook National University, Daegu 41566, Republic of Korea

Dr. Laurent Canale

LAPLACE (Laboratoire Plasma et Conversion d'Energie), Université de Toulouse, Toulouse, France

Deadline for manuscript submissions

closed (30 June 2022)

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/si/65542

Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

mdpi.com/journal/electronics

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/journal/electronics

About the Journal

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.

Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) / CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).