

**SPECIAL ISSUE ON MATERIALS, DEVICES, CIRCUITS, AND ANALYTICAL METHODS  
FOR VARIOUS SENSORS (SELECTED PAPERS FROM ICSEVEN 2022): PART 1**

**PREFACE**



The era of ubiquitous sensing has recently begun thanks to the rapid development of the Internet of Things (IoT). Sensors are essential components of automotive electronic systems used in cutting-edge applications including smart industries, smart cities, smart cars, robots, and smart homes.

This special issue focuses on materials, devices, circuits, and analytical methods for various sensors. The topics covered include all aspects of research and development related to sensors and materials, sensor circuits, readout circuits, analytical software, and sensor applications. We have selected very interesting papers on sensors with special materials, circuits, and/or software to achieve advanced sensing functions for some niche sensor markets.

We would like to thank all the authors who participated in this special issue as well as the reviewers for their helpful support. We also thank Ms. Naoko Makino of MYU K.K. for her kind support in the publication of this issue.



Chien-Jung Huang  
Department of Applied Physics  
National University of Kaohsiung  
Taiwan, R.O.C.

Cheng-Hsing Hsu  
Department of Electrical Engineering  
National United University  
Taiwan, R.O.C.



Ja-Hao Chen  
Department of Communications Engineering  
Feng Chia University  
Taiwan, R.O.C.

Wei-Ling Hsu  
School of Civil Engineering  
Jiaying University  
China