

Preface

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Abstract. International Conference on Electronics, Engineering Physics and Earth Science (EEPES 2023), 21 - 23 June, 2023, Kavala, Greece.

The second edition of the International Conference on Electronics, Engineering Physics and Earth Science (EEPES 2023) was held in hybrid mode in Kavala, Greece from 21 to 23 June, 2023.

The EEPES 2023 Conference is the premier international venue focused on understanding the current state and the evolution of the science through the lens of engineering physics, electronics devices and microelectronics, telecommunications, optical and electromagnetic communication, artificial Intelligence and soft computing, environmental physics and renewable energy and many other disciplines. It is a place where researchers, academics, people in industry, students and the alike to present and discuss progress in research, development, standards, and applications related to the applied and engineering physics.

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The technical program of this year's edition of the conference consists of two distinguished keynotes by world renowned experts with their plenary lectures as follows:

- Prof. Dr. George A. Papakostas, International Hellenic University, Greece, the title of the lecture "Computer Vision in the Industry Era";
- Prof. Dr. Veneta Aleksieva, Technical University of Varna, Bulgaria, the title of the lecture "Blockchain Based Solutions: Industry's Dreams or Reality".

We have prepared interesting plenary sessions not only from respected universities professors and academia speakers on visionary topics but also from our sponsors Raycap S.A., Greece and EN.PO.KA S.A., Kavala, Greece had done a distinguished technical presentations.

The technical program of the conference consists of one plenary session, one technical session, and seven in person and nine online tracks for research papers. The authors of the accepted papers, who are unable to attend the conference in person, were given the option to present their papers online and attend an interactive virtual conference. Online presentations

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were held in a virtual room environment via Zoom Meeting platform for the opening ceremony, all conference sessions, and meetings.

Finally, we are thankful to Municipality of Kavala, Greece and Dimofeleia, Kavala, Greece that becoming an official sponsor of the EEPES 2023 and all above mentioned partners for good cooperation and also for the technical and financial support. Thanks to Institutional partners University of Ruse “Angel Kanchev” and University of Telecommunications and Post, Sofia, both from Bulgaria and International Hellenic University, Greece, TPC members, conference chairs, and reviewers for their wonderful efforts in making a successful and rigorous technical program. Without them, this event would have never happened.