

## Preface

The 9<sup>th</sup> International BAPT Conference “Power Transmissions 2023” was organized by Balkan Association of Power Transmissions (BAPT) and Bulgarian Scientific-Technical Union of Mechanical Engineering (STUME).

Despite the busy program of international conferences in our field in September, a number of established authors as well as young scientists have found time and capability to participate.

Scientists and engineers from Armenia, Belarus, Bulgaria, Greece, Kazakhstan, Kyrgyz Republic, North Macedonia, Russian Federation, Spain, and Ukraine have participated personally.

The Conference Proceedings consist of 18 scientific papers divided into 6 topics as follows:

1. Design, analysis, simulation, and optimization
2. Fatigue, load carrying capacity, durability, reliability
3. Dynamics, vibration and noise
4. Tribology, lubrication
5. Materials and technological processes
6. Other relevant subjects

The Organizing Committee would like to acknowledge and appreciate the reviewers for their valuable comments and efforts in improving the scientific quality of the papers. We would also like to thank all of the authors whose high expertise and experience have made the conference so successful.

On behalf of the Organizing Committee

Dr. Dimitar Petkov Karaivanov,

Editor