



**INTERNATIONAL SCIENTIFIC CONFERENCE  
DEDICATED TO THE 70<sup>TH</sup> ANNIVERSARY  
OF THE UNIVERSITY OF MINING AND GEOLOGY  
"ST. IVAN RILSKI"**

**20<sup>th</sup> October, 2023**

**MAIN THEMATIC AREAS**

**GEOLOGY AND EXPLORATION OF MINERAL AND ENERGY RESOURCES**

- ✓ Geology and Mineral Resources
- ✓ Petroleum Geology
- ✓ Gemology
- ✓ Geoinformatics
- ✓ Hydrogeology, Engineering Geology
- ✓ Geoecology and Geochemistry
- ✓ Applied, Petroleum and Exploration Geophysics

**EXTRACTION OF ENERGY RESOURCES**

- ✓ Exploration Drilling, Extraction, Transportation, and Storage of Oil and Gas
- ✓ Gas, Combustion, and Purification Techniques and Technologies
- ✓ Gas Infrastructure Management

**MINING AND PROCESSING OF MINERALS**

- ✓ Design, Construction, and Operation of Open Pits and Underground Mines
- ✓ Underground Construction
- ✓ Blasting Technique and Technology
- ✓ Mine Surveying and Geodesy; Underground Resource Management
- ✓ Mineral Processing
- ✓ Applied Biotechnology
- ✓ Management and Recycling of Technogenic and Municipal Waste

- ✓ Environmental Protection
- ✓ Conservation, Liquidation, and Reclamation of Mining Sites
- ✓ Mine Ventilation, Technical and Engineering Safety

### **MINE MECHANISATION, ELECTRIFICATION, AND AUTOMATION**

- ✓ Mechanisation in the Mineral Resource Industry
- ✓ Electrification in the Mineral Resource Industry
- ✓ Automation in the Mineral Resource Industry
- ✓ Computer Methods and Technologies in the Mineral Resource Industry

### **SUSTAINABLE DEVELOPMENT OF THE MINERAL AND RAW MATERIAL INDUSTRY**

- ✓ Risk Processes Modelling and Management
- ✓ Industrial Management
- ✓ Studies in the Humanities and Social Sciences
- ✓ Innovations in Training