



**“ANGEL KANCHEV” UNIVERSITY OF RUSE
UNION OF SCIENTISTS – RUSE**

Reports Awarded with "Best Paper" Crystal Prize

64rd Annual Scientific Conference - University of Ruse and Union of Scientists

2025 – Ruse, Silistra, Razgrad

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ADDRESS OF THE PROGRAM COMMITTEE

The University of Ruse and the Union of Scientists - Ruse were pleased to welcome researchers from all over the globe to the 64rd Annual International Scientific Conference, which was jointly organized by our two institutions. The plenary and the 22 sectional sessions were held respectively in Silistra on 17.11.2025r, in Ruse on 24.11. - 25.11.2025r, and in Razgrad on 07.11. - 08.11.2025r.

The program included over 300 reports, based on significant research results, which were presented during all days of the session and the other parallel events of the forum.

Authors from all around the globe discussed their views in research areas that correspond to the following themes of the conference:

Agricultural Machinery and Technologies, Agrarian Sciences and Veterinary Medicine, Maintenance and Reliability, Industrial Design, Thermal, Hydro- and Pneumatic Equipment, Ecology and Conservation; Chemical technologies; Biotechnology and food technology; Mechanical engineering and Machine-building Technologies; Electrical engineering, electronics and automation; Communication and Computer Systems; Transport and Machine Science; Sustainable and Intelligent Transport Systems, Technologies and Logistics; Economics and Management; European studies and international security; Social work; Mathematics, Informatics and Physics; Education - Research and Innovations; Pedagogy and psychology; History, Ethnology and Folklore; Linguistics, Literature and Art Science; Health promotion; Medical and clinical diagnostic activities; Healthcare; Law; National Security; Pedagogy, Didactics and Methodology of training in..., Philology, Technical Sciences; Quality of higher education.

The presented scientific reports and the followed by them discussions contributed to deeper understanding, that is related to various aspects of global economic transformation, based on the application of innovative strategies and approaches to new industries, advantages in digital economy, prosperous society and its links to the business environment and quality of life. The implementation of systematic approach in thinking is the foundation for creating effective applications and best practices in many areas of science and its impact on business development and growth. The participants in this prestigious forum were united around the decision, that the triad of future predictions manifests itself through the formation of enduring projections in the present.

The Ruse's Union of Scientists and the University of Ruse are characterized by their multidisciplinary identity and cover competencies in all the above scientific fields and areas of research.

The conference was honoured by famous scientists in different fields from Bulgaria, Scotland and India, who presented themselves as guests with plenary reports at the joint parallel scientific event - Plenary Session of the 64rd Annual International Scientific Conference of RU§SU'24:

1. PROF. DR. SOTIR SOTIROV,

Rector of Burgas State University "Prof. Dr. Asen Zlatarov"

TOPIC: ARTIFICIAL INTELLIGENCE AND VISUAL DIAGNOSTICS: FROM MEDICAL IMAGING TO INTELLIGENT SYSTEMS FOR INDUSTRIAL APPLICATIONS

2. ASSOC. PROF. MILENA DOBREVA,

Associate Professor in Information Behaviour, University of Strathclyde, United Kingdom

TOPIC: WHO OWNS OUR KNOWLEDGE? OPEN SCIENCE, MEMORY, AND DIGITAL BELONGING

3. PROF. KIRIL STOYCHEV, DSC.

Established researcher and expert in the field of security

TOPIC: RESILIENCE: BUSINESS CONTINUITY MANAGEMENT OF THE ECONOMIC ENTITIES.

4. DR. RAVINDER KUMAR,

Director Research at Karnavati University, India


TOPIC: DESIGN AND DEVELOPMENT OF COMBINED DRY-STEAM REFORMING OF METHANE (CDSRM) PROCESS USING SOLAR THERMOCHEMICAL REACTOR FOR HYDROGEN PRODUCTION

All abstracts approved for presentation at the conference with keywords and cited literature that meet the layout requirements were included in the "Collection of reports - program and abstracts of the 64nd ISC of the University of Ruse'25". The program is available on the conference website.

After double anonymous reviews, the Program Committee nominates one paper from each scientific section, which were developed and presented in English. They are published in the present "**BEST PAPER Crystal Prize'25 Papers**", both in paper and online at the conference website.

The book is part of the series Proceedings of the University of Ruse, online on the conference website: ISSN 2603-4123 (online), registered in NACID and COBISS.

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On behalf of the Conference co-organisers,

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