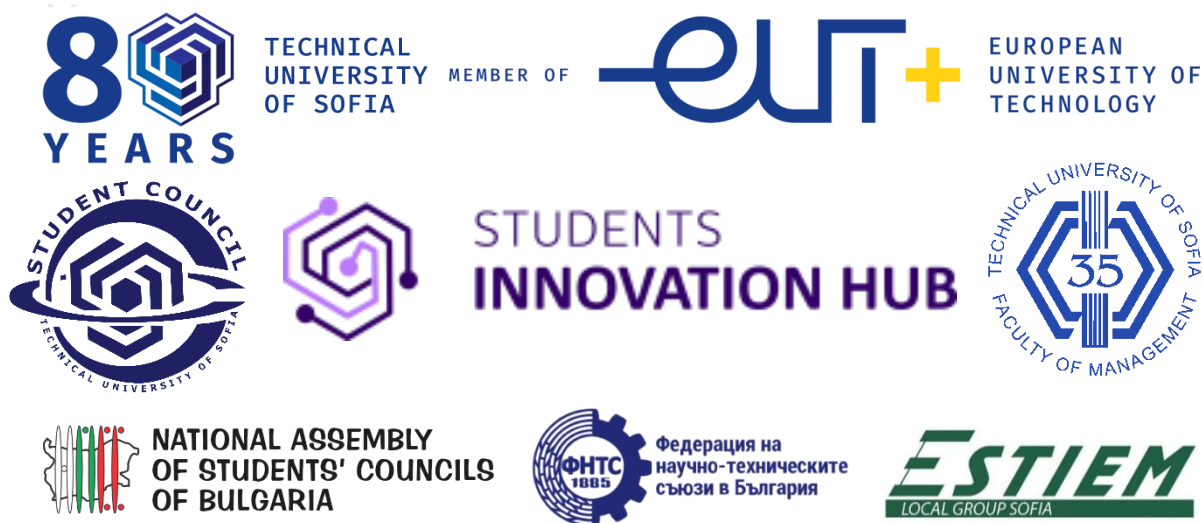




CONFERENCE SCHEDULE

VII INTERNATIONAL YOUTH CONFERENCE WITH PARTICIPATION OF RENOWNED SCIENTISTS- "ENGINEERING INFRASTRUCTURE AND COMPETITIVE BUSINESSES", SOZOPOL, 15.06-19.06.2026

A conference from „Days of Science 2026“ Event of TU-Sofia

The conference is held with the support of the The Research and Development Sector (R&DS) at the Technical University of Sofia.

June 2026
Sozopol

Honorary co-chairs

Prof. Eng. DSc Ivan Kralov

**Daniel Parushev - President of the Alumni Club of the National Assembly
of Students' Councils of Bulgaria (NASC)**

**Assoc. Prof. PhD Eng. Kremena Dedelyanova - President of the
Federation of the Scientific - Engineering Unions in Bulgaria (FNTS)**

Prof. DSc Eng. Ivan Yatchev

ORGANIZING COMMITTEE

Chairman: Assoc. Prof. PhD. Eng. Orlin Marinov

Vice Chairman: Iliya Darakchiev - student - Chairman of the Student Council at TU-Sofia

Vice-Chairman: Angel Stoykov - President of the National Assembly of Students' Councils of Bulgaria (NASC)

Organizational Secretary:

Assist. Prof. Mag. Eng. Jivko Rusev

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Yoan Dzhelekarski - student - Secretary of the Student Council at TU-Sofia

Assoc. Prof. Dr. Georgi Tsochev

Assoc. Prof. PhD Dimitar Nikolov

Assoc. Prof. PhD Dimitar Dichev

Assist. Prof. Desislav Ivanov

MSc Eng. Irina Filipova

Assist. Prof. PhD Martin Istatkov

Assist. Prof. Mag. Eng. Tobiya Karagyozev

SCIENTIFIC COMMITTEE

Chairman: Prof. Eng. PhD Yordanka Angelova - Dean of Faculty of Management at TU-Sofia

Members:

Assist. Prof. PhD Borislav Ganev

Assist. Prof. PhD Bojidar Juev

Assoc. Prof. PhD Galya Marinova

Assoc. Prof. PhD Eng. Gergana Hristova

Assoc. Prof. PhD Eng. Grigor Stambolov

Prof. PhD Eng. Dimitar Damyanov

Assoc. Prof. PhD Eng. Dimitar Dichev

Assoc. Prof. PhD Durhan Saliev

Assoc. Prof. PhD Evgeni Dimitrov

Assoc. Prof. PhD Ivo Draganov

Assoc. Prof. PhD Eng. Kalin Dimitrov

Assoc. Prof. PhD Kiril Kasev

Prof. PhD Mihail Todorov

Assoc. Prof. PhD Metodi Georgiev

Assoc. Prof. PhD Marin Gilevski

Assoc. Prof. PhD Nikolai Pavlov

Assoc. Prof. PhD Eng. Nikolay Hinov

Assoc. Prof. PhD Nikolina Petkova

Assoc. Prof. PhD Eng. Oleg Panagiev

Assoc. Prof. PhD Radostina Popova-

Terziyska

Assoc. Prof. PhD Ralitsa Dimitrova

Assoc. Prof. PhD Eng. Romyana Ilieva

Assoc. Prof. PhD Svetlana Borisova

Assoc. Prof. PhD Stanislava Kovacheva

Assoc. Prof. PhD Eng. Tereza Todorova

Assoc. Prof. PhD Tsonyo Slavov

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GENERAL PROGRAMME

Day	Hour	Place
Monday 15.06.2026	14:00 – 16:00	Registration (lobby of TU-Sofia hotel)
	Hour	Hall 1
	16:00	Opening and plenary section
Tuesday 16.06.2026	Hour	Hall 3
	9:00 – 10:15 10:30 – 12:00	Session 1: Hybrid session
	Hour	Hall 2
	10:00 – 13:30	Student Innovation Hub
	Hour	Harmanite Beach
	14:00 – 16:00	Outdoor sport activities
	Hour	Porto Elea Restaurant
	19:00	Official dinner
Wednesday 17.06.2026	Hour	Hall 2
	8:30 – 9:45	Session 2: Social, economic and legal sciences in business
	Hour	Hall 2
	10:00 – 12:30	Workshop on Entrepreneurship, Marketing, and Brand Management
	Hour	Hall 3
	14:00 - 15:00 15:15 – 16:00	Session 3: Technical sciences and competitive business
	Hour	Hall 2
	14:30 – 17:00	Session 4: Telecommunication Systems, Software Engineering, Artificial Intelligence and Cybersecurity
Thursday 18.06.2026	Hour	Hall 3
	9:00 – 11:30	Session 5: Cybernetics, Robotics and Air Transport
	Hour	Sozopol Yacht Port
	12:00 – 18:00	Cultural program under the patronage of the TU-Sofia Yacht Club
Friday 19.06.2026	10:00 Departure	

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16.06.2026

Tuesday

Session 1: Hybrid session. Discussion.

Chairman:

Scientific Secretary:

No	Autors	Paper title	Format.
1	Desislava Marinova Ivaylo Avramov Nikolay Slavchev	Intelligent Technologies for Promoting Physical Activity in Remote Work Conditions	PoS
2	Viktor Dostinov Deyan Azmi Kaloyan Mechkov	Human Pangenome - Why One Reference Genome Is Not Enough	PoS
3	Milena Angelova Yoanna Markova	Quantum Computing and Social Progress: From Education Optimization to Environmental Sustainability	PoS
4	Irina Baleva Hristo Raykov	Concept for Smart Agriculture in an Urban Environment	PoS
5	Ivan Ananiev Milen Kirilov	Green Infrastructure and Competitive Advantage: How Sustainability Transforms Business Strategy	PoS
6	Atanas Mollov Asen Gospodarski	Digital Transformation of Industrial Enterprises through the Integration of Business Information Systems for Achieving Competitive Advantages	R
7	Ivan Ananiev, Atanas Mollov	Zero Trust Architecture and the Future of Cybersecurity	PoS
8	Tuuche Halil Esin Hasan	Integrating Artificial Intelligence into Human Resources Selection Processes: The Neural Intake Platform	PoS
9	Esin Hasan Tuuche Halil	Designing a Marketing Strategy and Phygital Ecosystem for the Revitalization of Urban Centers: The "Riva Viva" Project	R
10	Simona Borisova Niya Nedyalkova	Backend Architecture and Data Management in a Web-Based Information System	R
11	Simona Borisova Niya Nedyalkova	Development of a Web-Based Information System Using MVC Architecture	R

Description: Remote (R)/ Presentation on Site (PoS)

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**17.06.2026
Wednesday**

Session 2: Social, economic and legal sciences in business.

Discussion.

Chairman:

Scientific Secretary:

№	Autors	Paper title	Format.
1	Yoana Georgieva Yordanka Chonkova	Mapping of the customer request processing process in a pet shop subject to digitalization	PoS
2	Yordanka Chonkova Yoana Georgieva	Modeling and digitalization of the sales and delivery process in construction materials store	PoS
3	Kristina Petrova Melisa Ahmedova	Digitalization and Business Process Mapping of Customer Service in a Cinema	PoS
4	Melisa Ahmedova Kristina Petrova	Business Process Mapping and Digital Transformation of Customer Service in a Hair Salon	PoS

Description: Remote (R)/ Presentation on Site (PoS)

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**17.06.2026
Wednesday**

Session 3: Technical sciences and competitive business. Discussion

Chairman:

Scientific Secretary:

№	Autors	Paper title	Format.
1	Alex Novkov Hristo Raykov	Development of an Electromagnetic Flowmeter with IoT Integration for Monitoring and Control of Industrial Processes	PoS
2	Melih Hadzhimurad	Smart wheel clamp for parking violations	PoS
3	Angela-Gabrielle Alexandrova Veselina Mircheva	Applications and integration of FPGA in robotics	PoS
4	Tsvetoslav Iliev Miroslav Nikolov Nikolina Vladimirova	IoT Monitoring System for Remote Areas: Connectivity, Energy Optimization and Autonomy	PoS
5	Zhasmina Mihaleva Tsvetoslav Iliev	Smart Green Roofs: Integration of Photovoltaics and Automated Irrigation	PoS
6	Zdravko Kyulevchiev Milena Noneva	AWS architectural practices for cost optimization of a SaaS platform for external cyber threat detection	PoS

Description: Remote (R)/ Presentation on Site (PoS)

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**17.06.2026
Wednesday**

**Session 4: Telecommunication Systems, Software Engineering,
Artificial Intelligence and Cybersecurity. Discussion**

Chairman:

Scientific Secretary:

№	Autors	Paper title	Format.
1	Milena Angelova Yoanna Markova	Green Port 5G: Ecological Protection and Smart Logistics via Private Campus Network	PoS
2	Milen Kirilov Asen Gospodarski	Artificial Intelligence as a Tool for Optimization of Industrial Management — Challenges and Opportunities	PoS
3	Ivan Dimitrov Pavlin Lalkovski	Artificial Intelligence in Business Communications: Chatbots, Automation, and Customer Service	PoS
4	Kaloyan Mechkov Victor Dostinov Deyan Azmi	Neural networks and their application in different industries	PoS
5	Radina Sarbakova Yoana Stoykova	Sovereign AI: why companies will stop using chatgpt and will want their own models	PoS
6	Hadi Nayef Jawad Fathi	The LLM Firewall: Securing Enterprise AI with Threat Analysis Middleware	PoS
7	Abdulaziz Dhabaan Kiet Tran	The Underlying Mechanics and Practical Applications of Blockchain Technology	PoS
8	Omar Nasser Mohamed Haddi	AI Image Generation and the Deepfake Dilemma: Stress-Testing Steganographic Watermarks in Everyday Use	PoS
9	Bozhidar Bozhikov Bozhidar Chaushev	AI-Based Receipt Processing and Expense Categorization	PoS
10	Vladislav Georgiev	Security of MQTT and CoAP in IoT Environments: Architectures, Threats, and Protection Mechanisms	PoS
11	Irina Filipova	Application of AI in Administrative and Management Processes	PoS

Description: Remote (R)/ Presentation on Site (PoS)

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**18.06.2026
Thursday**

Session 5: Cybernetics, Robotics and Air Transport. Discussion.

Chairman:

Scientific Secretary:

№	Autors	Paper title	Format.
1	Boril Obreshkov Martin Groshev Mihail Zagorski	Control systems for upper limb 3D printed prosthetics	PoS
2	Miroslav Petrov	Robotic welding for copper-coated solid wire deposition	PoS
3	Preslav Petkov Deniz Ivanov	Comparative analysis of control systems for mobile robots: Advantages of Ackermann geometry for planetary rovers	PoS
4	Mihail Serafimov	Aerodynamic Design and Static Stability Analysis of a Small Rocket	PoS
5	Mihail Serafimov Martin Voykov	Measurement of the thrust of a small helicopter through theoretical and experimental methods	PoS

Description: Remote (R)/ Presentation on Site (PoS)