

Session Program

25–26 Jun 2026



International Conference on Secure Systems Design and Technology Development (SysTechDev 2026)

Information Technology

"Vasil Levski" National Military University
Veliko Tarnovo, Bulgaria

Thursday 25 June

12:05

Information Technology: IT I

Session | Location: Room 1210 | Conveners: Artis Teilans, Arnis Cirulis

12:05–12:20

A multilayer framework for urban microclimate analysis in smart sustainable city design: the Vienna case

Speaker

Iliyan Vasilev

12:20–12:35

Computer vision approach for panorama creation in military observation

Speaker

Krasimir Slavyanov

12:35–12:50

Some Properties of the Dirichlet Type Integrals

Speaker

Prof. Ralitsa Angelova-Slavova

12:50–13:05

On Some Properties of Posterior Predictive Distributions

Speaker

Prof. Dimitar Tsvetkov

13:05–13:20

Designing a firewall system for a computer network based on a single-board computer

Speaker

Krasimir Slavyanov

13:20–13:35

THE RELATIONSHIP BETWEEN VISUAL STYLE AND EMOTIONAL ENGAGEMENT IN MOBILE TOURISM APPLICATIONS

Speaker

Stela Mincheva

13:35–13:50

A "Brute force" reduced attack implementation on 256_AES encrypted voice stream in a MATLAB Simulink environment

Speaker

Elitsa Petkova

13:50

14:25

Information Technology: IT II

Session | Location: Room 1210 | Conveners: Arnis Cirulis, Artis Teilans

14:25–14:40

Turbo Encoders with Hybrid Concatenated Convolutional Design and Turbo Decoders with Soft Input-Soft Output Design in Unmanned Aerial Systems

Speaker

Mr Georgi Stanchev

14:40–14:55

METHODS AND MODELS FOR IMAGE ENHANCEMENT IN LOW-LIGHT CONDITIONS

Speaker
Mariia Liashenko

14:55-15:10 **Two Decades of Baltian-Latgalian Electronic Dictionary**

Speaker
Ansis Ataols Bērziņš

15:55

Friday 26 June

10:40

Information Technology: IT III

Session | Location: Room 1210 | Conveners: Arnis Cirulis, Ivan Simeonov

10:40–10:55

Students' perceptions of using AI instruments in developing learning to learn skills: An exploratory qualitative study

Speaker

Prof. Natalie Aristova

10:55–11:10

AI Dependency in Higher Education: Are Students Becoming Over-Reliant

Speaker

Julija Mironova

11:10–11:25

COMPARATIVE ANALYSIS OF DEEP LEARNING ARCHITECTURES FOR MONOCHROMATIC IMAGE COLORIZATION

Speaker

Ihor Panasenko

11:25–11:40

DCSync attack from an adversary point of view

Speaker

Dimitar Nikolov

11:40–11:55

Why did threat actors replace PoshC2 with SliverC2? Comparison of two great C2 frameworks.

Speaker

Dimitar Nikolov

11:55–12:10

Computer Science Students' Perspectives on Incorporating Digital Storytelling for Developing Critical Thinking Skills in English Classroom

Speaker

Prof. Nataliia Aristova

12:10–12:25

IMPROVING TEXT SEARCH MEMORY EFFICIENCY WITH NSW TEXT INDEXING

Speaker

Dmytro Dashenkov

12:25

13:30

Information Technology: IT IV

Session | Location: Room 1210 | Conveners: Ivan Simeonov, Arnis Cirulis

13:30–13:45

INTELLIGENT INFORMATION SYSTEM FOR TECHNICAL SUPERVISION OF HIGH-RISK FACILITIES

Speaker

Nikolay Nikolov

13:45–14:00 An Approach for Preventing Overload of the EC2 Service

Speakers

Evgeni Andreev, Desislava Valcheva

14:00–14:15 Cyber Threat Intelligence based scoping of Red Team Exercises

Speaker

Svilen Kamdzhakov

14:15–14:30 Public Trust as a Bridge between Technology, Society, and Sustainability

Speaker

Dimitrina Stefanova

14:30–14:45

Artificial Intelligence Use in Professional Bachelor Thesis Writing: A Survey-Based Analytical Framework

Speaker

Renata Kondratavičienė

14:45–15:00 A Computer Vision Approach for Military Object Recognition

Speaker

Krasimir Slavyanov

15:00