INSTITUTE OF MATHEMATICS AND INFORMATICS
BULGARIAN ACADEMY OF SCIENCES
https://math.bas.bg

SofTIS SUMMER CAMP
July 22-26, 2024; Varna

PARTNERS: SCALEFOCUS, ADASTRA BULGARIA, QUANTERALL, ALTSCALE, RAPIV, DoychZone, JA BULGARIA, ABIES, Varna District

SofTIS Summer Camp 2024, Scalefocus Office Varna (12 Yan Palah Str)
July 22nd, 2024 (Monday)

Time	Action
15:00 – 15:15	**Opening Ceremony** Rules. Requirements, Opportunities
15:15 – 15:45	**FIRST CHALLENGES ANNOUNCEMENT** Research, Social for Innovation and Prosperity — **Ralitsa Zhekova**, RAPIV, BG
16:00 – 17:00	**AI-entity as a Member of a Dev/Analytical Team** Discussion: sharing practices; Tech | Social skills — **Alexander Mihaylov**, TOP Misconceptions about AI, ScaleFocus
17:30 – 18:30	**World Brain Day July 22, 2024** Discussion: Brain Health for Dev/Analytical Teams and Humans — **Ruzha Pancheva**, FOOD for BRAIN, MedUni-Varna, BG — **Doychin Karshovski**, MINDFULNESS, DoychZone, USA — **Andréa de Paiva**, NeuroArt, NeuroAU, Brazil
18:30 – 19:30	**Brain/Neuro Session I** Interdisciplinary research (Medicine | Computer Science | Math | Arts) – innovations — **Andreas Kontny**, Tissue Clearing, MedUni-Varna, BG — **Petar Valchanov**, Geometry of the Optimal Bone Matrix - Outstanding Issues and Possible Solutions, MedUni-Varna, BG — **Stoyan Pavlov**, Image Understanding and Image Analysis - Bridging the Gaps, MedUni-Varna, BG — **Galina Momcheva**, Brain-inspired Research, IMI-BAS, BG

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July 23rd, 2024 (Tuesday)

Time	Action
14:00 – 16:00	**Software Development Practices Review I** Secure Software Development Trends Secure Coding Practices — **Alexander Mihaylov**, ScaleFocus, BG — **Yavor Papazov**, ABIES, BG
17:00 – 17:45	**Space Session** (Interdisciplinary Research and Dev) — **Dimitar Vasilev**, European Innovation Council (EIC) — **Ventsislav Polimenov**, IMI-BAS, BG
18:00 – 19:00	**Social Skills**: My Best Role in a Software Team Now? **Matching Session I**

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July 24th, 2024 (Wednesday)

Time	Action
10:00 – 11:00	**Brain/Neuro Session I** — **Nikola Kasabov**, New Zealand — **Petya Koprinkova**, In-Silico Investigation of Human Brain Using Spike Time Neural Network Models, IIST-BAS, BG
11:00 – 12:30	**Software Development Practices Review II** Case Studies from Software Teams/Companies **Vencislav Kolev**, 5 things I wish someone told me as a junior software developer, AltScale, BG
13:00 – 14:00	**Free Lunch**
14:00 – 14:30	**Job Interviews** **Discussion:** Current Practices
14:30 – 16:30	**SkillUp** Opportunities for Juniors and Software Engineers — **Stanimira Zhelezova**, How to compete with AI: Gain hands-on experience from day one, ABIES, BG — **Dilyan Popov**, Developing Your Business Idea, AltScale, BG
17:00 – 18:30	**BioInformatics Session** (Interdisciplinary Research and Dev) Bio* Research Communities Challenges — **Desislava Tsoneva**, Molecular Biology and Machine Learning in Biomarker Research, MedUni-Varna, BG

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July 25th, 2024 (Thursday)

Time	Action
10:00 – 10:40	**Software Development Practices Review III** — **Stanislav Vasilev, Georgi Kolev**, Visualizing Business Insights from Data Using AWS & PowerBI, ADASTRA — **Pavel Stoyanov**, Neural networks in IT Security, BG
11:10 – 12:30	**Research && Innovations in/for/from Software Industry. Why? and How?** — **Todorka Glushkova**, Context Aware Modeling in Cyber Physical and Social Spaces, Plovdiv University, BG — **Pavel Varbanov**, Introduction into cybersecurity certification and compliance with the emerging EU certification schemes - what to do to be prepared for the Union's and customers' requirements, ESI-SEE — **Olena Tsyplitska**, How to Scale Innovations, Head of the Open Innovation Laboratory, Kyiv Academic University, Ukraine
13:30 – 14:30	**Masters, PhD, Postdoc programs for IT Business** IMI-BAS; UNIBIT; Sofia University; Plovdiv University; etc.
14:30 – 17:00	**Break**
17:00 – 18:45	**IT Business Trends && Business Models** Dev*, *Ops, Digital Immune System, Platform Engineering, AI-Augmented Development, Democratized Generative AI, Augmented Connected Workforce, Machine Customers, IoT, IoB — **Arthur Kordon**, How to solve business problems with AI, Kordon Consulting, USA — **Doychin Karshovski,** Managing Remote Teams, DoychZone, USA
19:00	**Social Skills**: Research and Innovations for WELL-BEING

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July 26th, 2024 (Friday)

Time	Action
10:30 – 11:00	**STEAM (for GIRLS), DEV for STEAM, Research Networks && STEAM** **Discussion:** Mentorship Programs. Practices. Initiatives
11:00 – 11:20	**EU Code Week 2024 | High-Quality Informatics Expert Group EU 2024** Galina Momcheva (National Coordinator | Expert)
11:20 – 11:40	**Code4Europe - Empowering the New Generation of Young Digital Europeans** Irina Ilieva (COO) Silvia Kantcheva (Academic Advisor), JA Bulgaria
12:00 – 13:00	**Research && Social Responsibility Challenges** **Presenting:** Ideas/Results/Prototypes
13:30 – 14:15	**Closing Ceremony:** Guests. Awards, Certificates

Organized by
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The event is hosted by
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