

ITAPA AI & Robotics

Artificial intelligence (AI) has the potential to be a major instrument of change in human history, and in many ways already is. AI technologies are transforming various aspects of our lives and have the potential to reshape not only industries, but also societies and economies. Although the benefits of AI are obvious, there are also challenges that come with it, such as ethical issues, privacy, security and the potential impact on jobs. In addition, some industries and activities may be less susceptible to AI integration compared to others. Overall, however, AI can be expected to become increasingly prevalent in many areas of human activity.

ITAPA AI & ROBOTICS is being prepared in cooperation with the Deputy Prime Minister for the Recovery and Resilience Plan and the use of EU funds.

Winter Riding Hall, Bratislava Castle
Tuesday - 12.03.2024

TIME	PROGRAM
8:00 – 9:00	Registration and welcome drink
9:00 - 9:30	<p>Where is artificial intelligence going?</p> <p>Machine learning and artificial intelligence are among the fastest growing industries. And not just in terms of economics and business, but also in terms of development itself. Already today, AI analyzes and detects things much faster and, most importantly, more accurately than humans. But will it just be an advisory tool for humans, or will we get used to it and gradually entrust it with most even important things? Will we then still be able to control and manage it? How and in what ways will it move humanity forward?</p> <p>Moderation: Ľubomír Straka <i>confirmed</i></p> <p>1on2 interview: Mária Bieliková, KINIT <i>confirmed</i> Peter Kmec, Deputy Prime Minister for the Recovery Plan and Knowledge Economy <i>confirmed</i></p>
9:30 - 10:20	<p>Doing business in the age of generative AI</p> <p>What is generative AI and what are the applications of AI in business? How can we build strategic AI capabilities and how can we ensure people's trust in AI. Is the use of AI tools sufficiently secure? How can AI be trusted? We will show through a number of case studies.</p> <p>Moderation: Ľubomír Straka <i>confirmed</i></p> <p>Business in the generative age: Walter Pasquarelli, Generative AI Strategy Advisor <i>confirmed</i></p>
10:20 - 10:45	<p>How Slovakia can take advantage AI?</p> <p>AI changes the rules of the game. It brings chaos and threat, but also opportunity. What do we as a country need to do to positively harness the AI wave?</p> <p>Moderation: Ľubomír Straka <i>confirmed</i></p>

	<p>1on2 interview: Peter Pellegrini, President of the National Assembly of the Slovak Republic and Martin Spano, computer scientist and artificial intelligence expert <i>confirmed</i></p>
10:45 - 11:15	<p>Coffee and networking</p>
11:15 - 11:40	<p>Living in the Future - Future Technologies - AI and the Metaverse</p> <p>The digitalisation of our society has been gaining momentum in recent years and recent technological breakthroughs are accelerating its development to date. There is sure to be a significant platform change driven by artificial intelligence in the next few years.</p> <p>Moderation: Ľubomír Straka <i>confirmed</i></p> <p>Life in the future: Patrik Tovaryš, Meta <i>confirmed</i></p>
11:40 - 12:15	<p>Artificial intelligence tools</p> <p>The use of AI tools is beginning to be promoted in various fields and it is essential to talk about these examples, as they can be an inspiration for those who do not take the "help" of AI seriously.</p> <p>Moderation: Ľubomír Straka <i>confirmed</i></p> <p>AI will reach all industries!: Franz Bailom, in-manas <i>confirmed</i></p> <p>MLOps - AI symphony outline: Jakub Novotný, Slovak Telekom <i>confirmed</i></p> <p>AI in document management and process management: Aleš Fukal, KONICA MINOLTA <i>confirmed</i></p> <p>AI for back office and client centres - sample solutions: Filip Staňo, ableneo <i>confirmed</i></p>
12:15 - 13:10	<p>Lunch and networking</p>
13:10 - 13:50	<p>Trends in artificial intelligence</p> <p>Moderation: Ľubomír Straka <i>confirmed</i></p> <p>Use of AI in software development and new products: Martin Lukačovský, AT&T Business International <i>confirmed</i></p> <p>Large language models in practice: Michal Gregor, KINIT <i>confirmed</i></p> <p>An anti-tank missile for a headache? Internet overwhelmed by nonsensical texts: Ján Trangel, zive.sk <i>confirmed</i></p> <p>Northatlantic accelerator for innovations in defence – DIANA: Diana Budinská, Ministry of Defence <i>confirmed</i></p>
13:50 - 14:20	<p>New technologies, new opportunities</p> <p>And many of the first shall be last, and the last first.... AI and robotics have the disruptive power to fundamentally change industry, services, agriculture, transportation, and indeed the entire economy. Everywhere in the world. And they will be the winners of this transformation. And there will be losers. How can Slovakia, with a more traditional economy, take advantage of the new technologies and come out on top?</p> <p>Moderation: Ľubomír Straka <i>confirmed</i></p> <p>DISCUSSION</p> <p>Emil Fitoš, SCDI <i>confirmed</i></p> <p>Ivan Ivančin, MIRDI <i>confirmed</i></p> <p>Tomáš Jucha, AISlovakIA <i>confirmed</i></p>

<p>14:20 - 14:50</p>	<p style="text-align: center;">Industry 4.0 in Korea</p> <p>How Slovakia can be inspired by the most modern industry and its digitalization in the world - the experience of South Korea.</p> <p>Moderation: Ľubomír Straka <i>confirmed</i></p> <p>1on1 interview - How they're digitising the industry in South Korea: Michal Múhl, SIEA <i>confirmed</i> Making transitions effective: The Korean approach to industry 4.0: Joong-Hae Suh, Korea development Institute <i>confirmed</i></p>
<p>14:50 - 15:20</p>	<p style="text-align: center;">AI success stories from Slovakia</p> <p>Moderation: Ľubomír Straka <i>confirmed</i></p> <p>AI as a fighter against hate and misinformation: Jakub Šuster, Elv.ai <i>confirmed</i> Technological vanguard in healthcare - development of revolutionary AI tools for diagnosis and treatment in Slovakia: Tomáš Koščo, DeepArtMedicine <i>confirmed</i> A revolution in cardiovascular care thanks to artificial intelligence: Adam Rafajdus, Power Medical <i>confirmed</i> IGNITE: The real story of Generative AI product created in Slovakia: Daniel Buchta, Stell+ERP <i>confirmed</i></p>
<p>15:20 - 15:40</p>	<p>Coffee and networking</p>
<p>15:40 - 16:10</p>	<p style="text-align: center;">Cybersecurity in an AI world</p> <p>A new arms race is being brought about by artificial intelligence in security. AI-assisted attacks are becoming increasingly sophisticated and dangerous. On the other hand, AI is also sharply boosting defence. Who is winning in this race?</p> <p>Moderation: Ľubomír Straka <i>confirmed</i></p> <p>Adversarial attacks on neural networks: Xiaolu Hou, STU <i>confirmed</i></p> <p>1on2 interview: Milan Pikula, CERT-SK, Ervín Šimko, MIRD I <i>confirmed</i></p>
<p>16:10 - 16:50</p>	<p style="text-align: center;">AI in education</p> <p>Artificial Intelligence as a global megatrend is multidisciplinary and will significantly influence the focus of all fields of study. All types of schools at both secondary and university level will have to adapt to this change. At the same time, freely available generative AI tools allow educators to develop attractive and creative teaching content, and these tools can also be used in the assessment process or in tracking student performance. These tools are also used by students and there are no horizontal rules on how they can use these tools. How will the transformation of the teaching process using AI take place? Do we need to set clear rules for the use of AI tools? How to educate fresh graduates who will have the necessary skills and employability in the job market?</p> <p>Moderation: Ľubomír Straka <i>confirmed</i></p>

	<p>DISCUSSION Ivan Kotuliak, Slovak Technical University <i>confirmed</i> Martin Takáč, KINIT <i>confirmed</i> Michal Číž, Slovak Alliance for Innovative Economy <i>confirmed</i> Martin Mihalec, Dual Academy <i>confirmed</i></p>
16:50 - 17:30	<p style="text-align: center;">Creative industries and AI</p> <p>Artificial intelligence is also beginning to establish its position in the world of creative industries. It not only edits, but also designs and creates photographs and even films. Film scripts are no exception, where its imagination knows no bounds and goes beyond the limits of the human one. So will she just be an inspiration to creatives?</p> <p>Moderation: Ľubomír Straka <i>confirmed</i></p> <p>The impact of AI on innovation in the creative industry: Patrik Serbin, scena.ai <i>confirmed</i> Using AI to visualise images - from idea to real image: Ľubomír Špirko, photographer <i>confirmed</i> AI and Robotics - A New Era of Art: Michal Adamík, artist-engineer <i>confirmed</i> Scenarios using AI: Yvonne Nico Vavrová, director, scriptwriter, oroducer and cinematographer <i>confirmed</i></p>
17:30 - 17:40	BREAK
17:40 - 18:40	<p style="text-align: center;">ITAPA OPEN TALK: What will AI do to our society?</p> <p>How will artificial intelligence change the way our society functions? Will AI cause a change greater than the Industrial Revolution? How will it change our relationships, our work productivity or our mental health in a rapidly changing technological world? Will AI change the world of politics, create more jobs or, conversely, will some industries begin to disappear? A discussion on the transformation of society in the long term in light of rapidly emerging AI technologies.</p> <p>Moderation: Michal Havran <i>confirmed</i></p> <p>DISCUSSION Juraj Bárdy, Futuristiq <i>confirmed</i> Ivan Sekaj, Institute of Robotics and Cybernetics, FEI STU in Bratislava <i>confirmed</i> prof. František Babič, Department of Cybernetics and Artificial Intelligence, TUKE <i>confirmed</i> Lukáš Benzl, Czech artificial intelligence association <i>confirmed</i> Alžběta Solarczyk Krausová, Expert in AI Law <i>confirmed</i></p>
18:40 - 20:00	Glass of wine/Raut