

Days of Robotics and Innovative Educational Technologies in Zambia Program

October 29-31, 2024, Lusaka,
National Institute of Public Administration (NIPA)
Lusaka, Dushambe Road
Visiting Session - University of Zambia (UNZA)
Lusaka, Great East Road Campus

Time	Event, Topic, Speaker	Location
October 29, 2024, Tuesday		
10am – 5pm	Exhibition Featuring Robotics Exhibits and Russian Educational and Cultural VR Projects.	NIPA
10am – 4pm	Participants’ registration. Registration forms filled out at the entrance to the exhibition space.	
11am – 11.30am	<p style="text-align: center;">Opening of the Days of Robotics and Innovative Educational Technologies Program in Zambia</p> <p>Greeting from the Federal Agency for the Commonwealth of Independent States, Compatriots Living Abroad, and International Humanitarian Cooperation (Rossotrudnichestvo)</p> <p><i>Vadim Igorevich ZAYCHIKOV, Head of the Education and Science Department (To be confirmed)</i></p> <p>Greeting from the Education Management Authorities of the Republic of Zambia and participating universities</p> <p><i>Minister of Education of the Republic of Zambia Hon. Douglas Syakalima</i></p> <p><i>Permanent Secretary for Education Services of the Ministry of Education of the Republic of Zambia Mr. Joel Kamoko</i></p> <p><i>Acting Executive director National Institute of Public Administration (NIPA) Eng. Dr. Elliot Mumba</i></p> <p><i>Vice-Chancellor of the University of Zambia Prof. Mundia Muya</i> (To be confirmed)</p>	NIPA Exhibition Space
	Greeting speech from the Embassy of the Russian	

	<p><i>Federation and the Russian Center for Science and Culture in Zambia</i></p> <p><i>Azim Alaudinovich YARAKHMEDOV, Extraordinary and Plenipotentiary Ambassador of the Russian Federation to the Republic of Zambia</i></p> <p><i>Svetlana Nikolaevna KOVALEVA, Advisor, Head of the Russian Center for Science and Culture</i></p>	
11.30am – 11.50am	<p style="text-align: center;">Introductory Speech</p> <p>Initiatives of Russian universities for implementing innovative educational technologies in African countries, exemplified by projects from SPbSETU "LETI"</p> <p><i>Anastasia Andreevna MININA, Vice-Rector for International Affairs, SPbSETU "LETI"</i></p>	
11.50am – 12pm	<p style="text-align: center;">Presentation of the exhibition program "Days of Robotics" and the Interactive Map of Russian Universities.</p> <p><i>Moderator: Tatiana TALALAEVA, Head of the International Projects Department, SPbSETU "LETI"</i></p>	
12pm – 1pm	<p>Coffee break</p> <p>Press approaches. Video Interviews</p>	<p>NIPA</p> <p>Exhibition Space</p>
1pm – 2pm	<p>Introductory presentation "Teaching Robotics and VR Technologies in Schools and Universities: Innovative Learning Formats."</p> <p><i>Alexander Motyko</i> <i>Anton Filatov</i> <i>Grigory Belsky</i> <i>Roman Shestopalov</i></p>	<p>NIPA</p> <p>Exhibition Space</p>
2pm – 3pm	<p>1. Masterclass "Innovative Learning Formats for Students and Schoolchildren using VR/AR technologies";</p> <p>2. Interactive practical session "Developing a Game in Virtual Reality"</p> <p>Students and educators get skills and insight into teaching methodology.</p> <p><i>Alexander Motyko</i></p>	<p>NIPA</p> <p>Exhibition Space</p>
3pm – 4.30pm	<p>1. Presentation "The Decade of Science and Technology in Russia" using the interactive map of Russian universities.</p>	<p>UNZA</p>
Program at the		

<p>University of Zambia</p>	<p>2. Lecture: "Teaching Robotics in Schools and Universities. Innovative Learning Formats"</p> <p>3. Masterclass: "Programming a Mobile Robot. Robotic System "Duckie Town". Introduction of students and instructors to the methodology of conducting classes"</p> <p><i>Tatiana Talalaeva</i> <i>Anton Filatov</i></p>	
<p>2pm – 4pm</p>	<p>Open Student Robotics Workshop</p> <ul style="list-style-type: none"> - Masterclass on Robotic Systems - Gaming Tournament in Mechatronics and Robotics <p><i>Roman Shestopalov</i></p>	<p>NIPA Classroom 1</p>
<p>2pm – 4pm</p>	<p>Masterclass on Robotics and Mechatronics</p> <ul style="list-style-type: none"> - "Key Robotic Components: Microcontrollers & Sensors" - "Configuring Robots for Movement and Control" <p>Explanation of the teaching methodology concluded by testing.</p> <p><i>Grigory Belsky</i></p>	<p>NIPA Classroom 2</p>
<p>2pm – 4.45pm</p>	<p>Demonstration of the Interactive Map of Russian Universities, Cultural, and Educational VR Projects for a Wide Audience.</p> <p><i>Galina Alferova</i> <i>Lecturers of SPbSETU "LETI"</i></p>	<p>NIPA Exhibition Space</p>
<p>5pm</p>	<p>Conclusion of Day 1 program by handing certificates to participants.</p>	<p>NIPA Exhibition Space</p>
<p>October 30, 2024, Wednesday</p>		
<p>10am – 5pm</p>	<p>Exhibition Featuring Robotics Exhibits and Russian Educational and Cultural VR Projects.</p>	<p>NIPA Exhibition Space</p>

10am – 4pm	Participants' registration. Registration forms filled out at the entrance to the exhibition space.	
11am – 11.30am	Demonstration of the robotic system and masterclass: "Duckie Town – A Testfield for Creating a Smart City" <i>Anton Filatov</i>	NIPA Exhibition Space
11.30am – 1pm	<i>Open Student Robotics Workshop</i> <ul style="list-style-type: none"> • Masterclass "Building a Lunar Rover" • Demonstration of robotic systems (exhibits) and practical sessions. <i>Roman Shestopalov</i> <i>Grigory Belsky</i>	NIPA Exhibition Space
12pm – 1pm	Interactive workshop: "Game Programming in Python" <i>Alexander Motyko</i>	NIPA Classroom 1
1pm – 2pm	Coffee break	
2pm – 3pm	Masterclass "Programming Robots to Perform Practical Tasks" <i>Grigory Belsky</i>	NIPA Classroom 1
1pm – 3pm	"Demonstration of cultural and educational VR projects" <i>Tatiana Talalaeva</i> <i>Galina Alferova</i>	NIPA Exhibition Space
3pm – 4pm	Interactive practical session "Developing a Game in Virtual Reality" <i>Alexander Motyko</i>	NIPA Exhibition Space
4pm – 5pm	<i>Open Student Robotics Workshop</i> Practical sessions with demonstrations of robotic systems. <i>Grigory Belsky</i> <i>Roman Shestopalov</i>	NIPA Exhibition Space

5pm	Conclusion of Day 2 program by handling certificates to participants	NIPA Exhibition Space
October 31, 2024, Thursday		
10am – 4pm	Exhibition Featuring the Interactive Map of Russian Universities, Robotics Exhibits, and Russian Educational and Cultural VR Projects.	NIPA Exhibition Space
10am – 1pm	Participants' registration. Registration forms are filled out at the entrance to the exhibition space.	
10.30am – 1pm	<p style="text-align: center;"><i>Open Student Robotics Workshop</i></p> <ul style="list-style-type: none"> - Masterclass "Building a Lunar Rover - Gaming Tournament in Mechatronics and Robotic <p><i>Roman Shestopalov</i> <i>Grigory Belsky</i></p>	NIPA Exhibition Space
1pm – 2pm	<p>Interactive Career Guidance Test to Identify Aptitudes for Technical Specialties Using the Interactive Map and Exhibits.</p> <p><i>Alexander Motyko</i> <i>Anton Filatov</i> <i>Grigory Belsky</i> <i>Roman Shestopalov</i></p>	NIPA Exhibition Space
2pm – 3pm	Coffee break	
3pm – 4pm	<p>Conclusion of the Days of Robotics and Innovative Educational Technologies in Zambia with the certificate & award ceremony</p> <p>Representatives from educational institutions in Zambia and participants of the Days of Robotics program are invited to the final commemorative event.</p> <p>Interviews, photo & video sessions, contact exchanges</p>	NIPA Exhibition Space