

3. May 12 – 17 2025

RoboMac 2025

The 13th international competition in Robotics and AI held annually at the Faculty of Electrical Engineering and Information Technologies in Skopje, North Macedonia is organized by the Ss Cyril&Methodius University in Skopje, SSCS&EDS Student Branch Chapters, and sponsored by all other Section Entities including LMAG.

Over 70 students from Universities in North Macedonia participated in 5-Categories along with participating in some lectures.

The 5 Categories were:

Detect the Intruder – Hardware-software co-design for detecting a misaligned element.

AI Football – Program intelligent agents to find and eliminate opponents in a dynamic environment.

Robotic Arm Challenge – Combine robotics and machine vision to accurately sort objects.

The VoiceBot Challenge – Command your VoiceBot to victory in this speech-driven robotics competition.

Self-Racing Cars – Program and unleash NVIDIA JetBots in a self-driving car showdown.

The agenda of this event is given below

	Monday 12.5.2025	Tuesday 13.5.2025	Wednesday 14.5.2025	Thursday 15.5.2025	Friday 16.5.2025	Saturday 17.5.2025
08:30-09:00		Workshop	Workshop	Workshop	Workshop	Preparation for the Finals
09:00-10:00						
10:00-11:00	Registration		L4: Pagliara, University of Cagliari: AI-Enabled Assistive Technologies	L6: Ilijoski, FINKI: Robots and applications as mediators in autism		
11:00-12:00						
12:00-13:00	Opening (AMFI)	L3: Kartalov, FEEIT: Robot Vision - From Light To Numbers	L5: Gerazov, FEEIT: On-device Speech Synthesis	L7: Gjoreski, FEEIT: How can smart glasses recognize facial gestures		
13:00-14:00	Break for lunch	Break for lunch	Break for lunch	Break for lunch	Break for lunch	Break for lunch
14:00-15:00						
15:00-16:00	L1: Donchevski, Glushica, FEEIT: Optimization Challenges in AI and Speech Recognition	Workshop	Workshop	Workshop	Workshop	Preparation for the Finals
16:00-17:00	L2: Kamilovski, Hristov, Zlatinov, FEEIT: Line Tracing, Robotics and Autonomous					
17:00-18:00	Workshop					Finals
18:00-19:00						
19:00-20:00						



From the Opening Session – The Rector of SS Cyril and Methodius University addressing the participants