

**Ministry of Education, Science, Research
and Sport of The Slovak Republic
Town Liptovský Mikuláš
Secondary School of Polytechnics Liptovský Mikuláš
Slovak Society of Electronics**



**NATIONAL COMPETITION
in building and programming robots
for primary and secondary schools
RoboCup Junior 2016**



**Liptovský Mikuláš
April 13th – 15th 2016**

EVENT INFORMATION

21th annual contest in building and programming robots for primary and secondary schools

Contest goals: development of free-time activities, creativity, knowledge, and skills of young generation in the area of construction and programming of automation and cybernetics systems and control of technological processes.

Contest organizer: Ministry of Education of The Slovak Republic
Slovak Society of Electronics
Town Liptovský Mikuláš, Robotika SK

Contest director: Miro Kohút, (0905/ 521 989)
Local organizer: Secondary School of Polytechnics
Demänovská 669, 03101 Liptovský Mikuláš

Organizing committee: Mgr. P.Cehelský, Ing. R.Gaži, M. Mézeš, RNDr.
J.Mintál, L.Krošlák, M. Šuppa, J. Pospíchal

Head of Jury: Mgr. Pavel Petrovič, PhD. (0915/ 772 685)

Date: April 13th – 15th 2016

Venue: Secondary School of Polytechnics Liptovský
Mikuláš

Contest categories: **Construction**

1. Building robot from a robotic set (participants bring their own) to solve a specific task
2. Robotic hand Merkur

RoboCup Junior:

1. Soccer - LightWeight League / Open League
2. Rescue – Rescue Line / Rescue Maze / CoSpace
3. Robot Dance

Participants in all categories can come either from the primary or secondary schools, they will be evaluated separately. The same age limits as in the international competition have to be respected.

In the category **Construction**, the teams will build, program, and debug/test their robot using their own robot construction set (its type is not limited) so that the robot will satisfy the requirements of the task specified after the contest will start.

The scoring will be announced at the start of the contest and the Jury will take into account the differences of the construction sets used, if needed.

The RoboCup Junior categories will be evaluated in two separate age categories:

- **Primary:** teams in which all the members have up to 14 years (including; decisive date of birth is June 30th, team with a member born before July 1st 2002 is considered as secondary)
- **Secondary:** teams in which all the members have between 14 to 19 years (including; the same decisive date is applied). Note that including a team member older than 19 years is a violation of the international rules.

Competition will be run according to international rules (www.robocup.org) with some restrictions/adjustments. The only change is in the duration of robotic Soccer games. These will last 2 x 5 minutes.

Winning teams from Slovakia in the RoboCup categories advance to the 19th RoboCup World Championship held in Leipzig Germany, June 30th – July 4st 2016 www.robocup.org or

Preliminary tournament schedule:

Wednesday, April 13th 2016

by 12:00 - arrival, on-site registration, accommodation
12:00 - lunch
13:00 - opening ceremony - humanoid robot NAO
Aldebaran Robotics (www.eTechnology.sk)
13.30 - Construction, Robotics hand Merkur
18.30 - dinner
19:00 - Construction: robotic runs
19.30 - social or robotic program

Thursday, April 14th 2016

7:00 - breakfast
8:00 - Soccer, Rescue A
10:00 - Rescue B
13:00 - lunch
14:00 - Dance, Rescue, Soccer
18:00 - dinner
20.00 - final matches and presentations

Friday 15. 4. 2016

7:00 - breakfast
8:00 - award ceremony
10:00 - departure

The time schedule is subject to change and any changes will be announced in advance.

Registration:

Registration link is provided at the contest organizer website www.skse.sk

The registration fee for all categories is 0,- €.

The fee for food and accommodation is **39 €** per person, payable by bank transfer to the account in UniCredit Bank, account number: 6601031002/1111, include the school ZIP code in the payment details. IBAN: SK44 1111 0000 0066 0103 1002, SWIFT (BIC):UNCRSKBX.

Other important information:

Every participant (or their parents) have to agree with publishing photographic materials, construction details of their models, and programs used in their robots in order to allow other teams to continue and thus foster development of even better designs, programs, sensors, and technologies.

Every team should bring their own robotic construction set for the category construction or their own robot for the RoboCup categories.

The number of teams per school is not limited. The number of members in team is not limited. A team may participate in multiple categories, however, they should have enough man-power not to make trouble in the time schedule. Contest will be held at Secondary School of Polytechnics in Liptovský Mikuláš. There will be food starting lunch April 13th ending breakfast April 15th.

Accommodation for participants will be provided at the same school in student dormitory arranged as a hostel.

The organizing committee has the right to make modifications in the time schedule as needed. The local organizers will provide the accommodation, and meals in the school canteen, the venue, and the contest arenas for the registered participants. Registration is open until **midnight on April 10, 2016**.

The fee includes accommodation and food. The travel expenses have to be covered by the participating teams themselves.

Shall any material loss be caused by improper behavior of the participants, they will have to be refunded. The organizer does not take the