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**Ministry of Education, Science, Research and Sport of SR**

**Slovak Centre of Scientific and Technical Information**

**IT Academy**

**Slovak Society of Electronics Bratislava**



**NATIONAL COMPETITION**

**in building and programing robots**

**for primary and secondary schools**

**R o b o C u p 2 0 1 8**



**M a r t i n**

**February 28 th – March 2 nd 2018**

**E V E N T I N F O R M A T I O N**

**22th 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

**Annoucer:** Ministry of Education of The Slovak Republic

 Slovak Centre of Scientific and Technical Inf.

 **Local organizer:** **Gymnazium of Viliam Pauliny-Tóth, Martin**

Malá hora 3, 036 01 Martin

**Contest organizer:** Slovak Society of electronics , Robotika SK

 Spojená škola, Čs.armády 24, Martin

**Organizing committee:** Mgr. Stanislav Slačka, Ing.Stanislava Červeňová, Mgr. Jozef Zanovit, Ing. Pavol Bahník

**Head of Contest:** Miro Kohút**, (0905 521 989)**

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

**Date: February 28th – March 2th 2018**

**Súťažné kategórie: Construction**

 1. Building robot from a robotic set (participants bring

 their own) to solve a specific task

2. Robotic Hand

3. DRON

**RoboCup Junior:**

* Soccer - Open League with orange ball
* Soccer - Light weight with electronics ball
* Rescue Line
* Rescue Maze
* CoSpace Rescue – simulated version
* 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 (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.

In the DRON category the teams will build program for a fluing robot. He has to climb to a height of 1m, he stayed there for 15 seconds and landed at starting point, respectively landed to a predetermined location.

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 June 1st is considered as seconday)

**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.

Competiton will be run according to international rules ([www.robocup.org](http://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 210th RocoCup World Championship held in Montreal,***

***Canada, June 17th – June 24st 2018 -*** [**www.robocup.org**](http://www.robocup.org/)

**Preliminary tourament schedule:**

***Wednesday*, February 628h 2018**

*by* 12:00 - arrival, on-site registration, accommodation

12:00 - Lunch

13:00 - Opening ceremony

 13.30 Construction,Roboticshand, training RoboCup

18.30 - Dinner

 19:00 - Construction - Robotic runs

 20.00 – Meeting of mentors and Jury

**Thursday, March 1st 2018**

7:00 - Breakfast

9:00 - Soccer, Rescue Line

10:00 - Rescue Maze, Dron

13:00 - Lunch

14:00 - Dance, Rescue, Soccer

18:00 - dinner

20.00 - final matches and presentations

**Friday March 2th 2018**

 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***](http://www.skse.sk/)

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

**The 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 or mentors) 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 and slippers to school premises .

 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 Associated school, the Red Army 25, Martin,

 036 01 Martin (<https://ssmt.edupage.org/>). There will be all food.

There will be also **on-site registration, opening ceremony and awards**

 **ceremony.**

**Accommodation** is provided for registered participants in student dormitory arranged as a hostel, Associated school, the Red Army 25, Martin.

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 March 30, 2017.**

The fee includes accommodation and food. The travel expenses have to be covered by the participanting 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 responsibility for the personal items and equipment of the participants.