

## **INTERNATIONAL STUDENTS ELECTRONICS CONTEST**

# **EIF TRONIC 2026**

### **Place and time**

Contest will be held at Vilnius Kolegija/Higher Education Institution, the Faculty of Electronics and Informatics. Date: **7 May, 2026**.

### **Teams registration – 19 February 2026 to 20 April 2026**

### **Participants**

**One team should consist of three I, II- or III-year students of the bachelor studies and one leader (teacher).** Students of electronics and electrical engineering study areas are eligible to participate.

### **Tasks of contest and proceeding**

Tasks of contest will be presented in English. The teams perform these tasks:

#### ***Theoretical test***

All team members (students) will perform test at the same time. Test is composed of electronics and electrical engineering study areas: Physics, Electronics, Electrotechnics, Analogical and Discrete Devices, Signals and circuits, Electrical measurements.

#### ***1<sup>st</sup> practical task***

##### **Assembling of electronic circuit and measurement/adjustment**

Assemble a circuit using real details in breadboard and perform the measurements of parameters/adjustments.

#### ***2<sup>nd</sup> practical task***

##### **“Arduino” microcontroller and peripheral programming**

Write a program for the microcontroller (Using ArduinoIDE), according to the given task, which is related to peripherals (sensors, motors, displays, etc.).

#### ***3<sup>rd</sup> practical task***

##### **Electronic device assembling**

According to the given task assemble and solder the electronic device.

<https://en.eif.viko.lt/eiftronic-2026/>

**Studenci Wydziału Elektrycznego PB:  
w sprawach organizacyjnych związanych z udziałem  
proszę się kontaktować z Dziekanem Wydziału (we.dziekan@pb.edu.pl)**