



**XL SEMINAR  
OF THE STUDENTS' ASSOCIATIONS  
FACULTY OF MECHANICAL ENGINEERING  
XXIX SEMINAR  
OF THE STUDENTS' ASSOCIATIONS  
FACULTY OF MECHATRONICS, ARMAMENT  
AND AEROSPACE**



We would like to cordially invite Students and Doctoral Students to participate in the seminar of the students' associations of FME and FMAA to be held from **14 to 16 June 2023** at the FMAA Auditorium. The event will be an excellent opportunity to present the results of the research, exchange ideas and establish cooperation in future research projects.

### **SEMINAR TOPICS**

The main topics of the seminar will include issues in the area of **mechanical engineering, armaments, aviation and logistics** related to:

- mechanics, construction and operation of construction and road engineering machines, motor vehicles and internal combustion engines, electric vehicles and vehicles powered from renewable energy sources;
- construction of industrial and mobile robots and unmanned platforms;
- navigation, image recognition algorithms in UAV;
- designing parts of machines in CAD/CAM/CAE systems;
- modern methods of additive manufacturing;
- road safety issues;
- problems of transport and mobility of people with special needs;
- computer simulation techniques in the field of materials and construction research;
- biomedical engineering, human movement analysis;
- supply, production and distribution logistics;
- logistic infrastructure;
- virtual reality technologies;
- automatics, programming and applications;
- construction, operation, design and maintenance of firearms;
- internal, external and final ballistics;
- armament and land, air and sea technology;
- satellite launch rockets;
- reconstruction of historical objects of military technology.

**The official language at the seminar is English!**

### **APPLICATION**

To register your participation in the seminar,  
please fill in the application form: <https://forms.gle/2Xyt9FfLcVK83dvSA>



### **IMPORTANT DATES**

- **21 May 2023** submission of application
- **14-16 June 2023** Seminar of the Students' Associations

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