

Key Meeting Points

- Mil Drone Challenge:
- Mechanism of students' exchange
- Sciences & Technologies Applied to Defense STAD26 Conference



Mil Drone Challenge - Goals

- Stimulate innovation and applied knowledge
- Promote student collaboration
- Acquire engineering experience
- Design an innovative and operative UAV



Mil Drone Challenge - Contest

Challenges

- Technical Design and Innovation
- Autonomous Flight (Waypoint Navigation)
- Obstacle Avoidance
- o Payload Delivery (Optimum Path, Target Precision, etc.)
- Compliance with Annual Concept

Awards

- Gold/Silver/Bronze Champion (overall score)
- Innovation and Design
- Best Flight Performance
- Worthy Opponent (participants voting)



Mil Drone Challenge - Rules

Restrictions

- Up to 6 Propeller Motors
- Takeoff Weight (depends on the annual concept)
- Maximum Projection Area (1 x 1 m)
- Vertical Takeoff and Landing
- Min Set of Sensors (GPS, cameras, altimeter, tachymeter)
- Telemetry Mandatory
- Sponsors Encouraged

Teams

- Coaches (up to 5)
- Cadets (up to 15 no restriction in their specialization or domain)
- Event Participants (number of representatives decided by the Host Institution)

Mil Drone Challenge - Rules

- Grading System Static Score [35/100]
 - o Drone Technical Presentation [5]
 - o Development Process [15]
 - o Innovation [15]
- Grading System Dynamic Score [65/100]:
 - Autonomous Flight (Waypoint Navigation) [15]
 - o Obstacle Avoidance [15]
 - o Payload Delivery (Optimum Path, Target Precision, etc.) [25]
 - Compliance with Annual Concept [10]



Mil Drone Challenge – Schedule - Site

- o **14 November 2025**: Expression of Interest
- o **01 December 2025**: Challenge Presentation
- February 2026: Deadline of Registrations
- o February-June 2026: Development Period
- July 2026: Contest Week
- Host: Hellenic Air Force Academy
- Contest Site: Athletics Complex or Runway
- Free meals & accommodation for cadets
- Cultural Visits



Mechanism of students' exchange

List departments along with PoCs and main axes of research

Advertise on the Emilyo website.

Students chose a thesis as a function of the country of stay and research field they're interested in



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Conference on Sciences & Technologies Applied to Defense – STAD26 Conference

- 20-22 Apr 2026
- Location: Tunis, Tunisia as offered by the Center for Military Research in Tunisia





Conference on Sciences & Technologies Applied to Defense – STAD26 Conference

Hotel: Mövenpick hotel Gammarth, Tunis











LoD 14 - Research & Development

Conference on Sciences & Technologies Applied to Defense – STAD26 Conference -**Topics**

- Conference Topics :
- Rapid Dynamics: Protection Against Explosions and Ballistics
- Detection and Defense Systems
- Data Science and Artificial Intelligence for Defense
- Secure Communications and Cryptography
- Protection Against NRBCE Threats
- Autonomous systems
- Naval platforms
- Arial platforms
- Land platforms
- Weapon systems
- Engines & propulsion





Conference on Sciences & Technologies Applied to Defense – STAD26 Conference - **Schedule**

- Lecturers, researchers, PhD and Master thesis students interested in presenting a scientific paper within the conference topics are invited to submit an abstract by 15 November 2025 via stad26.colloque@crm.tn
- Notification of abstract acceptance before 15 December 25. The full paper needs to be submitted by 15 February 2026. The authors will be notified of acceptance of their paper by 10 March 2026. Papers requiring revision should be re-submitted before 25 March 2026. The conference proceedings will be indexed.
- Scientific committee with professors and PhD's from the EMILYO group



Way Ahead

- Finilize the details of the Mil Drone Contest
- Collect research topics along with PoCs
- R&D Conference for EU Military Academies: presentation of selected student thesis research Bachelor and Master thesis topics for exchange

