

STUDENTS' INTERNATIONAL CONFERENCE "CERC"





STUDENTS' INTERNATIONAL CONFERENCE "CERC"



The 35th edition of the Students' International Conference "CERC" 2025

- **Organized** by the Military Technical Academy "Ferdinand I" from Bucharest, Romania.
- **Period:** *11-12 April 2025.*

<https://www.mta.ro/international/en/cerc/>

- **In partnership with:**

- National University for Science and Technology POLITEHNICA Bucharest, Romania
- *Military University of Technology, Warsaw, Poland;*
- *IUT "Paul Sabatier" of Toulouse, France;*
- *"Vasil Levski" National Military University, Veliko Tarnovo, Bulgaria.*

Based on the scientific circles organised by the MTA academic teachers.

Promotes exchanging ideas and scientific information between military and civilian students from Romania and abroad.





STUDENTS' INTERNATIONAL CONFERENCE "CERC" 11-12 APRIL 2025



Erasmus+ International Week

Thursday
10 April 2025

ARRIVAL

Friday
11 April 2025

09.00 – 09.30 – Opening Ceremony
09.30 – 13.00 – Panels
13.00 – 14.00 – Lunch Break
14.00 – 19.00 – Panels
21.00 – 23.00 – Traditional Dinner

Saturday
12 April 2024

09.00 – 10.00 – Award Ceremony
10.00 – 10.30 – Closing Conference
10.30 – 13.00 – Intercultural activities
13.00 – 14.00 – Lunch Break

Sunday
13 April 2024

DEPARTURE



Erasmus+





STUDENTS' INTERNATIONAL CONFERENCE "CERC"



CONFERENCE PROGRAM

Friday, the 11th April 2025

09.00-09.30 – Conference Opening Ceremony
09.30-10.00 – Group Photo
10.00-13.00 – Panels
13.00-14.00 – Lunch
14.00-19.00 – Panels
19.00-20.30 – Free time
20.30-23.00 – Students' Official Dinner

Saturday, the 12th April 2025

09.00-09.30 – Plenary Speaking
09.30-10.30 – Conference Award Ceremony
10.30-13:00 – Intercultural activities
13.00-14.00 – Lunch;
14.00-19.00 – Departure of Delegations





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CERC 2025 - OPENING CEREMONY (11.04.2025)





STUDENTS' INTERNATIONAL CONFERENCE "CERC"



CERC 2025 - OPENING CEREMONY (11.04.2025)





STUDENTS' INTERNATIONAL CONFERENCE "CERC"



CERC 2025 - PARTICIPANTS

| No | Romanian Military Institutions | Country | Students | Teachers |
|----|--|----------------|-----------|----------|
| 1 | „Henri Coanda” Air Force Academy of Braşov, Romania | Romania | 1 | 0 |
| 2 | „Mircea cel Batrân” Naval Academy of Constanţa, Romania | Romania | 15 | 0 |
| 3 | „Nicolae Bălcescu” Land Forces Academy of Sibiu, Romania | Romania | 24 | 0 |
| 4 | Institute of Military Medicine, Bucharest, Romania | Romania | 1 | 0 |
| 5 | „Alexandru Ioan Cuza” Police Academy of Bucharest, Romania | Romania | 4 | 0 |
| | TOTAL | Country | 45 | 0 |

| No | Military Institutions from abroad | Country | Students | Teachers |
|----|--|----------------|-----------|-----------|
| 1 | Theresan Military Academy, Wiener Neustadt, Austria | Austria | 2 | 0 |
| 2 | „Vasil Levski” National Military University, Bulgaria | Bulgaria | 16 | 3 |
| 3 | Air Force Academy „Georgi Benkovski” of Dolna Mitropolia, Bulgaria | Bulgaria | 6 | 1 |
| 4 | „Nikola Vaptsarov” Naval Academy, Varna Bulgaria | Bulgaria | 12 | 0 |
| 5 | University of Defence, Brno, Czech Republic | Czechia | 1 | 0 |
| 6 | Hellenic Army Academy, Vari, Greece | Greece | 5 | 0 |
| 7 | Military University of Technology, Warsaw, Poland | Poland | 18 | 10 |
| 8 | Naval Academy of the Heroes of Westerplatte, Gdynia, Poland | Poland | 0 | 1 |
| 9 | Portuguese Military Academy, Lisbon, Portugal | Portugal | 2 | 0 |
| 10 | Spanish Academia General Militar, Zaragoza, Spain | Spain | 0 | 2 |
| | TOTAL | Country | 62 | 17 |

| No | Romanian Civilian Institutions | Country | Students | Teachers |
|----|---|----------------|-----------|----------|
| 1 | National University for Science and Technology POLITEHNICA Bucharest, Romania | Romania | 18 | 2 |
| 2 | University of Economic Studies, Bucharest, Romania | Romania | 2 | 1 |
| 3 | University of Craiova, Romania | Romania | 4 | 1 |
| 4 | Petroleum-Gas University of Ploieşti, Romania | Romania | 0 | 1 |
| | TOTAL | Country | 24 | 5 |

| No | Civilian Institutions from abroad | Country | Students | Teachers |
|----|--|----------------|----------|----------|
| 1 | „Paul Sabatier” University of Toulouse, France | France | 5 | 1 |
| 2 | ICAM Strasbourg, France | France | 2 | 0 |
| 3 | Embassy of France in Romania, France | France | 0 | 1 |
| 4 | Karlsruhe Institute of Technology, Germany | Germany | 1 | 0 |
| | TOTAL | Country | 8 | 2 |

| No | Civilian Institutions | Country | Students | Teachers |
|----|--|----------------|------------|------------|
| 1 | Military Technical Academy „Ferdinand I” of Bucharest, Romania | Romania | 268 | 95 |
| 2 | Romanian Military Institutions | Romania | 45 | 0 |
| 3 | Military Institutions from abroad | EU | 62 | 17 |
| 4 | Romanian Civilian Institutions | Romania | 24 | 5 |
| 5 | Civilian Institutions from abroad | EU | 8 | 2 |
| | TOTAL participants CERC 2025 | Country | 407 | 119 |



STUDENTS' INTERNATIONAL CONFERENCE "CERC"

CERC 2025 - PANELS



01. Armament Systems (EN)
02. Energetic Materials and Ammunition (EN)
03. Constructions and Fortifications (EN)
04. Military Engineering and Geomatics(EN)
05. Aerospace and Mechanical Engineering (EN)
06. Automotive Engineering and Materials Technology (EN)
07. Logistics for Defence and Security (EN)
08. Communications and Signal Processing (EN)
09. Robotics, Automation and Electronic Systems (EN)
10. Computer Engineering and AI (EN)
11. Computer Engineering, Cybersecurity and Cryptography (EN)
12. Mathematics Applied in Engineering (EN)
13. Military Science (EN)
14. Geopolitics and Military History (EN)
15. Intercultural Communication and Military Ethics (EN)
16. English Language and Culture (EN)
17. French Culture, Civilisation and Military Ethics (FR)
18. Cultural Anthropology (FR)
- 19. Common Security and Defence Policy (EN)**
20. Erasmus and Military Erasmus Experiences (EN)

Teachers:
part of the scientific committees



Students:
delivered presentations





STUDENTS' INTERNATIONAL CONFERENCE

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ARTICLES



| No | Panel | MTA | Total articles | | Participants |
|--------------|---|------------|----------------|-------------|--------------|
| 1 | 01. Armament Systems (EN) | 18 | 18 | 5,86% | 18 |
| 2 | 02. Energetic Materials and Ammunition (EN) | 12 | 12 | 3,91% | 12 |
| 3 | 03. Constructions and Fortifications (EN) | 23 | 23 | 7,49% | 23 |
| 4 | 04. Military Engineering and Geomatics (EN) | 10 | 13 | 4,23% | 16 |
| 5 | 05. Aerospace and Mechanical Engineering (EN) | 8 | 15 | 4,89% | 25 |
| 6 | 06. Automotive Engineering and Materials Technology (EN) | 12 | 13 | 4,23% | 24 |
| 7 | 07. Logistics for Defence and Security (EN) | 1 | 10 | 3,26% | 16 |
| 8 | 08. Communications and Signal Processing (EN) | 21 | 23 | 7,49% | 24 |
| 9 | 09. Robotics, Automation and Electronic Systems (EN) | 11 | 11 | 3,58% | 12 |
| 10 | 10. Computer Engineering and AI (EN) | 21 | 23 | 7,49% | 23 |
| 11 | 11. Computer Engineering, Cybersecurity and Cryptography (EN) | 16 | 24 | 7,82% | 27 |
| 12 | 12. Mathematics Applied in Engineering (EN) | 9 | 13 | 4,23% | 26 |
| 13 | 13. Military Science (EN) | 2 | 12 | 3,91% | 20 |
| 14 | 14. Geopolitics and Military History (EN) | 5 | 12 | 3,91% | 18 |
| 15 | 15. Intercultural Communication and Military Ethics (EN) | 2 | 12 | 3,91% | 33 |
| 16 | 16. English Language and Culture (EN) | 7 | 20 | 6,51% | 33 |
| 17 | 17. French Culture, Civilisation and Military Ethics (FR) | 12 | 13 | 4,23% | 25 |
| 18 | 18. Cultural Anthropology (FR) | 15 | 15 | 4,89% | 32 |
| 19 | 19. Common Security and Defence Policy (EN) | 8 | 10 | 3,26% | 11 |
| 20 | 20. Erasmus and Military Erasmus Experiences (EN) | 15 | 15 | 4,89% | 30 |
| TOTAL | | 228 | 307 | 100% | |



STUDENTS' INTERNATIONAL CONFERENCE "CERC"



COMMON SECURITY AND DEFENCE – COUNTERING TERRORISM

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STUDENTS' INTERNATIONAL CONFERENCE "CERC"

CERC 2025 - AWARDED PAPERS





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**“LET’S SPIN AROUND THE CIRCLE OF
SCIENCE”**

CONTACT

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