



*The International Student Innovation and Scientific Research Exhibition
- "Cadet INOVA'25" -*



*The "Nicolae Bălcescu" Land Forces Academy of Sibiu
Sibiu, 10 - 12 April 2025*

**Rules and Awards of the International Student Innovation and
Scientific Research Exhibition
"Cadet INOVA'25"®**

Art. 1 The present regulation establishes the methodology for the organization of the exhibition and for the awards that may be granted by the International Jury affiliated to the "Cadet INOVA'25" exhibition, the conditions and procedures for granting them.

Art. 2 (1) "Cadet INOVA" is an international event promoted by the "MG Nicolae USCOI" Corps of Cadets and by the "Nicolae Bălcescu" Land Forces Academy of Sibiu and held under The High Patronage of the Romanian Inventors Forum. The exhibition event is organized under the auspices of the institutions: State Office for Inventions and Trademarks, Academy of Technical Sciences of Romania, General Association of Engineers in Romania, S.C. Marquardt Schaltsysteme SSR, Sibiu and was included in the Cultural Agenda of Sibiu in 2016, registered as an Individual and Verbal Trademark at the State Office for Inventions and Trademarks, Bucharest with a number M 143894. The exhibition is organized in order to support innovation and scientific research at national and international level in the vision of young researchers (**students, Master's Degree students, PhD candidates, PhD degree holders and researchers not older than 35**);

(2) The "Cadet INOVA" event is conceived as an opportunity for young researchers to present their research results and innovations as prototypes,



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maquettes, computerized presentation of techniques and procedures accompanied by posters and to achieve scientific partnerships in order to identify technological, industrial and research niches;

(3) By the organization and the carrying out of the event, we aim at facilitating the knowledge of and the promoting of student scientific achievements both in the military field and in the civilian one, of aspects corroborated with the development and diversification of technologies and of socio-economic applications of research in different implementation environments;

(4) We also aim at increasing the degree of awareness, at the level of society, of the importance and of the contribution brought by young researches to technological development and added value;

(5) Registration of the participants and the activity of prejudice will be carried out on-line and final judging as well as the presentation of the research results within the exhibition will be performed physically;

(6) Each participant, with the mention of his scientific registration/ scientific article ELIGIBLE and ADMITTED to publication and final judgment, will upload, in the dedicated section on the website www.cadetinova.ro and within the established term, the video recording (video) of the presentation of the innovation & scientific research & invention (poster or power point), material that will include, in maximum 10 minutes, the following aspects:

- Clear and concise description of the original elements related to the scientific research performed;



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- Highlighting and disseminating, within the video presentation, the prototype / model / practical research / other scientific materials necessary to highlight the scientific activity carried out;
- During the video presentation it will be necessary the physical appearance of the speaker / author of the accepted and eligible registration within the final judging process.

Art. 3. Young researchers (*students, Master's Degree students, PhD candidates, PhD degree holders and researchers not older than 35*) are invited to exhibit and present their contributions, scientific innovations and applied research for the following field of study:

- a. Environment and pollution control. Green energy, ecology, environmental monitoring and protection;
- b. Energy and non-conventional energy sources;
- c. Security, protection, rescue - antiterrorism, disasters and accidents;
- d. Land, sea and air transportation;
- e. Chemistry;
- f. Metallurgy and science of materials;
- g. Aeronautics and safety of air navigation;
- h. Automobiles and road safety;
- i. Mechanics. Machine parts. Mechanisms. Materials;
- j. Electrotechnics, electronics and energetics;
- k. Radio communications;
- l. Robotics, roboethics;



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- m. Photo-audio-video technologies;
- n. Information technology and computer science;
- a. Graphic arts and architecture;
- p. Medicine and human factors. Pharmacy and cosmetics;
- q. Food biosecurity;
- r. Biology, agronomy and horticulture;
- s. Sport, leisure, culture, teaching methods;
- t. Others.

Art. 4. The International Jury affiliated to the "Cadet INOVA" exhibition showroom is composed of outstanding personalities of the national and international scientific and cultural life, who have brought exceptional professional contributions, achievements and inventions to society in the fields in which they work.

Art. 5. Within the "Cadet INOVA'25" Exhibition, following the decision of the international jury, the following prizes are awarded:

- 🇷🇴 The GOLD Medal of the "**Cadet INOVA'25**" Exhibition
- 🇷🇴 The SILVER Medal of the "**Cadet INOVA'25**" Exhibition
- 🇷🇴 The BRONZE Medal of the "**Cadet INOVA'25**" Exhibition
- 🇷🇴 The Prize of **The Romanian Inventors Forum**
- 🇷🇴 The "**ELITE INNOVATOR**" Distinction
- 🇷🇴 The Great Prize of the Jury – **THE "Cadet INOVA'25" CUP**
- 🇷🇴 The **Business Award**
- 🇷🇴 The Prize of the **State Office for Inventions and Trademarks**



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- ✚ The **Cadet INOVA'25 - "In Memoriam – Prof. eng. dipl. mat. Gheorghe CARTIANU-POPESCU, PhD (1907-1982), inventor, corresponding member of the Romanian Academy"** plaque
- ✚ Diplomas with **Special Mentions** of the **"Cadet INOVA'25"** Exhibition

Art. 6 In order to participate in the "Cadet INOVA'25" Exhibition, the participants (*students, Master's Degree students, PhD candidates, PhD degree holders and researchers not older than 35*) will have to download from the website of the event *The Cadet INOVA'25 Registration Form. doc./ scientific article Template*, which will be filled out according to the instructions in the model and *The Cadet INOVA'25 Guidelines for the Making Video Material. doc.*, a document meant to help with the making of the material video for the presentation of the scientific contribution. The organizing committee, through the appointed secretaries of the showroom will inform the participant about the receiving and the validation of the research to be presented at the event and will give details on organizational aspects (schedule, information provided by the international jury regarding the description of the research in the filed form, the rejection/acceptance of the contribution for the exhibition showroom, the awarding of medals, diplomas and cups within the awards ceremony, other activities associated to the exhibition).

Art. 7 Each registration (innovation or scientific research) is subject to a rigorous preliminary verification on the following *eligibility criteria*: a) the research/innovation did not participate in another edition of the event; b) the registration was made by the deadline specified on the website of the event; c) the proposal complies with the content and structure of the *"Registration Form"* posted on the website of the event;



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d) the author/authors of the research/innovation meet the status and age conditions specified on the website of the event. There will also be a *pre-assessment/pre-judging* analysis based on the following aspect corroborated with the evaluation criteria: 1*) the novelty and the complexity of the research/innovation and its presentation (commercial copy, prototype, maquette, computerized presentation of technologies, techniques, procedures, poster); the originality of the research/innovation, 2*) the research/innovation is presented sufficiently clearly and completely so that a specialist in the field can understand it, 3*) the research/innovation has applicability in the study direction indicated by revealing its benefits; the socio-economic importance of the research/innovation; other valorization opportunities, 4*) overall assessment of the quality of the research/innovation. These are quantified by means of a score (100 points max.), according to their importance, as follows: 1*) 35 points max., 2*) 40 points max. 3*) 15 points max., 4*) 10 points max. Based on the analysis of two members of the jury or of the scientific committee, an individual score is given, and, finally, based on the arithmetic mean corresponding to the score of the two sheets, the final score of admission or rejection of the innovation/scientific research in the on-line competition of the exhibition (supporting the contribution with the help of video recording a with materials/exhibits/prototypes/related posters) is given. The minimum score for the validation of the research/innovation within the "Cadet INOVA'25" exhibition is 80 points. The differences between the score given by the evaluators should not exceed 10 points/contribution. However, if this happens, the sheets in question are re-evaluated, the evaluators having to reach an agreement regarding the proposed recommendations and the final score.



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Art. 8 The evaluations and final scores are awarded after the posting and viewing of the video materials by the members of the jury, materials related to the contributions admitted and uploaded by each participant in on-line format to the dedicated section. The final jury scores are recorded in a report signed by all evaluating members.

Art. 9. The minutes with the prizes awarded are published on the website www.cadetinova.ro, in the dedicated section, according to the pre-established program of the exhibition event, these being awarded in the strictly descending order of the score obtained. The award ceremony in the exhibition hall includes the conferment and transmission by post of diplomas with special mentions, medals, distinctions, cups and plaques.

Art. 10 The present regulation shall enter into force upon its approval by the Vice-Rector for Scientific Research and by the President of the "Cadet INOVA" Exhibition.

President of the "Cadet INOVA" Exhibition,

Prof. Eng. Dipl. Habil. Silviu-Mihai **PETRIȘOR**, PhD

Silviu Mihai Petrișor

Innovation Ambassador in Romania
Professor Bologna



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ANEXA 1

EVALUATION SHEET for RESEARCH & INNOVATIONS & PATENTS

Identification elements of the research/innovation/patent:

Evaluation sheet no. F...

Title of the research/innovation/patent:

.....

Evaluation date (within max. 5 days from the date of registration):

...

Study direction:

.....

Ev. 1/2

Name of the linguistic evaluator:

Ev. 1/2

Name of the scientific evaluator:

I. Eligibility criteria

Criteria (eliminary)	Marking	
	Yes	No
The research/innovation/patent did not participate in another edition of the event		
The registration was made by the deadline specified on the website of the event		



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The proposal complies with the content and structure of the "Registration Form" posted on the website of the event		
The author/authors of the research/innovation/patent meet the status and age conditions specified on the website of the event		
Degree of similarity/plagiarism (max. 20%)		

II. Evaluation criteria

Criterion no.	Criterion	Maximum number of points	Points awarded
1.	The novelty and the complexity of the research/innovation/patent and its presentation (commercial copy, prototype, maquette, computerized presentation of technologies, techniques, procedures, poster); originality of the research/innovation	35	0
2.	The research/innovation/patent is presented sufficiently clearly and completely so that a specialist in the field can understand it	40	0
3.	The research/innovation/patent has applicability in the study direction indicated by revealing its benefits; the socio-economic importance of the research/innovation/patent; other valorization opportunities	15	0
4.	General assessment of the quality of the	10	0



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	research/innovation		
		TOTAL¹	100
			0

III. Recommendations of the linguistic evaluator:

The article respects/does not respect English grammar and phonetics. Approval for publication/notice against publication.

IV. Recommendations of the scientific evaluator:

1.	The article is accepted for publication
2.	The article needs improvement as suggested by the reviewers ²
3.	The article is rejected for publication ³
4.	Special objections and suggestions

Signature,

¹ The minimum score for validating the registration is at least 80 points.

² Field number 4 must be completed.

³ Field number 4 must be completed.