



BABEȘ-BOLYAI UNIVERSITY
FACULTY OF ENGINEERING



THE 9th STUDENT SCIENTIFIC SIMPOSIUM

EMING 2021



MAY 26-28, 2021

REȘITA

Local Organizing Committee

Chair

Lect. univ. dr. Andrea Amalia MINDA

Members

Prof. univ. dr. ing. Nicoleta GILLICH,
Journal Editor

Conf. univ. dr. ing. Cristian-Paul CHIONCEL,
Project Manager

Ș.l. dr. ing. Olga AMARIEI

Ș.l. dr. ing. Cornelia ANGHIEL-DRUGĂRIN

Ș.l. dr. ing. Lenuța CÎNDEA

Ș.l. dr. ing. Elisabeta SPUNEI

Ș.l. dr. ing. Mihaela STROIA

Stud. Deian ARDELEAN

Stud. Cătălin CĂLDĂRUȘE

Stud. Bogdan CHECHERIȚĂ

Stud. Emil IGNAT

Stud. Iulia Alexandra MINDA

International Organizing Committee

Prof. univ. dr. Istvan BIRO,
University of Szeged

Prof. univ. dr. Tihomir LATINOVIC,
University of Banja Luka

Conf. univ. dr. Milan RACKOV,
University of Novi Sad

Prof. univ. dr. Pavel TOPALĂ,
„Alecu Russo” State University of Bălți



Scientific Committee

Prof. univ. dr. ing. habil. Valentina BALAȘ, *Universitatea „Aurel Vlaicu” Arad*
GL. BG. Prof. univ. dr. ing. Ghiță BÂRSAN, *„Nicolae Bălcescu” Land Forces Academy, Sibiu*

Prof. univ. dr. Istvan BIRO, *University of Szeged*

Conf. dr. ing. Cristian-Paul CHIONCEL, *Babeș-Bolyai University*

Ș. l. dr. ing. Lenuța CÎNDEA, *Babeș-Bolyai University*

Prof. univ. dr. ing. Mircea DUDESCU, *Universitatea Tehnica din Cluj-Napoca*

Conf. univ. dr. ing. Simona DZIȚAC, *University of Oradea*

Prof. univ. dr. ing. Doina FRUNZĂVERDE, *Babeș-Bolyai University*

Prof. univ. dr. ing. Gilbert-Rainer GILLICH, *Babeș-Bolyai University*

Prof. univ. dr. ing. Nicoleta GILLICH, *Babeș-Bolyai University*

Conf. univ. dr. ing. Florin GROFU, *Constantin Brâncuși University of Târgu Jiu*

Prof. univ. dr. ing. Codruța Oana HAMAT, *Babeș-Bolyai University*

Ș.l. dr. Cornel HAȚIEGAN, *Babeș-Bolyai University*

Conf. univ. dr. ing. habil. Zoltan Iosif KORKA *Babeș-Bolyai University*

Prof. univ. dr. Tihomir LATINOVICI, *University of Banja Luka*

Prof. univ. dr. ing. Simona MICLĂUȘ, *„Nicolae Bălcescu” Land Forces Academy, Sibiu*

Conf. univ. dr. ing. Călin MICLOȘINĂ, *Babeș-Bolyai University*

Prof. univ. dr. ing. Dorian NEDELICU, *Babeș-Bolyai University*

Conf. dr. ing. Gabriel Nicolae POPA, *Politehnica University Timișoara*

Conf. univ. dr. ing. Cristinel POPESCU, *Constantin Brâncuși University of Târgu Jiu*

Conf. univ. dr. Milan RACKOV, *University of Novi Sad*

Conf. univ. dr. ing. Sorin RAȚIU, *Politehnica University Timișoara*

Prof. univ. dr. ing. Eugen RĂDUCA, *Babeș-Bolyai University*

Conf. univ. dr. ing. Ovidiu-Gelu TIRIAN, *Politehnica University Timișoara*

Prof. univ. dr. Pavel TOPALĂ, *„Alecu Russo” State University of Bălți*

Conf. univ. dr. ing. Ovidiu VASILE, *Politehnica University of Bucharest*

Symposium Sections

Editing instructions

Paper submission

S1. Electrical engineering

- Electromechanics
- Advanced electromechanical systems
- Energy systems and renewable energies
- Electrotechnics
- Electrotechnical materials

S2. Computer engineering

- Industrial IT
- Automation and applied informatics
- Programming languages
- Big data

S3. Mechanical engineering. Materials and technologies

- Strength of materials
- Design and testing of mechanical systems
- Mechanical vibration
- Machines and machine parts
- Technologies and materials
- Smart materials

S4. Economic engineering and fundamental sciences

- Economic engineering
- Fundamental sciences
- Education

S5. Multidisciplinary section for high school students

- Multidisciplinary section contains all topics

The participants at the symposium will prepare the paper *in extenso* according to the model available at the journal's site:

<https://uem.ro/manifestari-stiintifice-studentesti/>

The paper itself will include at least the following distinctly marked chapters:

1. Introduction
 2. Methods and materials
 3. Results
 4. Conclusions and personal contributions
- Bibliography

The selected papers will be published in the journal

EMING

Print ISSN: 2392-8743



The submission is made by e-mail, differentiated by sections, to the following addresses, until the date of:

20 MAY 2021

S1. Ș. I.dr.ing. Elisabeta SPUNEI,
elisabeta.spunei@ubbcluj.ro

S2. Ș. I.dr.ing. Mihaela STROIA,
mihaela.stroia@ubbcluj.ro

S3. Ș. I.dr.ing. Lenuța CÎNDEA,
lenuta.cindea@ubbcluj.ro,

S4. Ș. I.dr.ing. Olga AMARIEI,
olga.amariei@ubbcluj.ro

S5. Ș. I.dr.ing. Cornelia ANGHEL-DRUGĂRIN,
cornelia.anghel@ubbcluj.ro

For any questions please contact

Lect. univ. dr. Andrea Amalia MINDA
andrea.minda@ubbcluj.ro