



Ștefan cel Mare University of Suceava

1963 - 2023



60
years of
Higher
Education
in
Suceava

Ștefan cel Mare University of Suceava



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Electrical Engineering and Computer Science Suceava

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**Ștefan cel Mare University of Suceava has been
awarded the**

HIGH DEGREE OF TRUST

**by the ARACIS Council,
which confirms:**

**The certainty of
the right choice!**





MODERN TEACHING AREA

20 blocks of buildings with a total area of 57,000 sqm, of which 49,000 sqm are used for education.



Faculty of Electrical Engineering and Computer Science

is affiliated to

**European
recognition**

European Federation of National Engineering Associations (FEANI)



the voice of Europe's engineers

FEANI 

Romania/RO - User

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www.feani.org

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FEANI - Schools search result

Suceava

[Universitatea "Ștefan cel Mare" din Suceava - Facultatea de Inginerie
Electrică](#)



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BSc programmes

- **Computer Science**
- **Telecommunications networks and software/ Applied electronics**
- **Electrical systems**
- **Power engineering and information technologies/ Energy management**
- **Automation and applied informatics**
- **Control and command equipment and systems for motor vehicles**
- **Medical equipment and systems**



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BSc programmes

- **Computer Science** And learn about:
- Telecommunications networks and software/ Applied electronics
- Electrical systems
- Power & Energy
 - ❖ Communication protocols
 - ❖ Intelligent systems
 - ❖ Architectures and parallel processing
 - ❖ Database design
 - ❖ Real-time computing systems
 - ❖ Cryptography and information security
- Automation
- Control systems
- Medical equipment and systems



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BSc programmes

- Computer Science
 - Telecommunications networks and software/ Applied electronics
 - Electrical systems
 - Power engineering and information technologies
 - Automation
 - Control and systems
 - Medical electronics
- And learn about:
- ❖ Nanotechnologies in electronics
 - ❖ VLSI design techniques
 - ❖ Software engineering for communications
 - ❖ Data communications security
 - ❖ Electromagnetic compatibility
 - ❖ Mobile communication networks



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BSc programmes

- Computer Science
- Telecommunications networks and software/ Applied electronics
- **Electrical systems**

And learn about:

- Power engineering and information technology

- Automation

- Control and systems

- Medical electronics

- ❖ Transducers and data acquisition
- ❖ Electrical installations
- ❖ Numerical controls in electrical systems
- ❖ Advanced manufacturing systems
- ❖ Power quality
- ❖ Electric drive



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BSc programmes

- Computer Science
- Telecommunications networks and software/ Applied electronics
- Electrical systems
- **Power engineering and information technologies/ Energy m**

And learn about:

- ❖ Production, transmission, distribution and use of electricity and heat
- ❖ Energy market
- ❖ SCADA systems in energy process management
- ❖ EEA automation and protection
- ❖ Renewable energy sources

and informatics
equipment and
cycles
systems

BSc programmes

- **❖ Peripheral circuits and process interfaces**
- **❖ Reliability and diagnostics**
- **❖ Real-time systems**
- **❖ Driving manufacturing systems**
- **❖ Neural Networks and Fuzzy Logic**
- **❖ Building automation**

And learn about:

- **Automation and applied informatics**
- **Control and command equipment and systems for motor vehicles**
- **Medical equipment and systems**



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BSc programmes

- Computer Science
- Telecommunications software
- Electrical Engineering
- Power Electronics
- Automation and applied informatics
- Control and command equipment systems for motor vehicles
- Medical equipment and systems

❖ Design and construction of motor vehicles
❖ Vehicle reliability
❖ Transport telemetry systems
❖ Command and control systems
❖ Vehicle information security
❖ Vehicle diagnostics

And learn about:



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BSc programmes

- Computer Science
- Telecommunications networks and systems
 - ❖ Medical electronics
 - ❖ Artificial intelligence in medicine
- Embedded systems
 - ❖ Medical instrumentation
- Power electronics
 - ❖ Virtual instrumentation for medicine
- Telemedicine
 - ❖ Medical imaging systems
- Automation and applied informatics
- Control and command equipment and systems for motor vehicles
- Medical equipment and systems

And learn about:

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Master programmes

Computer science and engineering

**Advanced techniques in machine and
electric drives**

Communications and computer networks

Cybersecurity

Modern systems for energy process control



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Apply for a PhD in:

- ❖ **Electrical engineering**
- ❖ **Electronic engineering and telecommunications**
- ❖ **Computers and Information Technology**



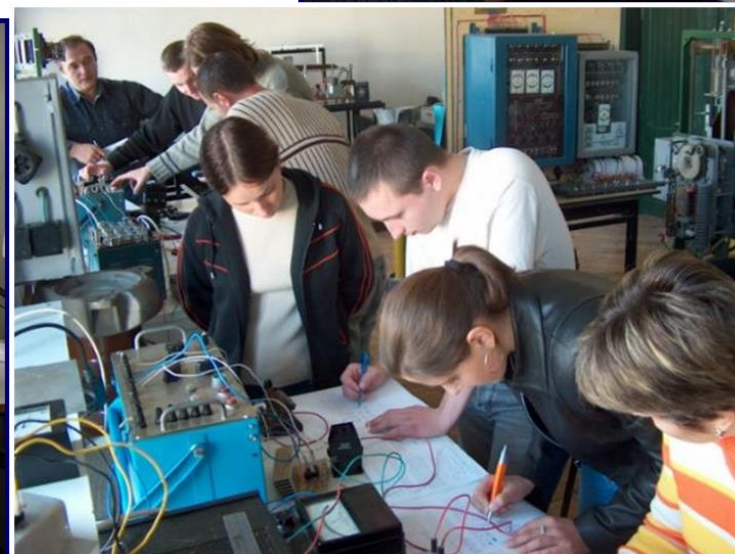
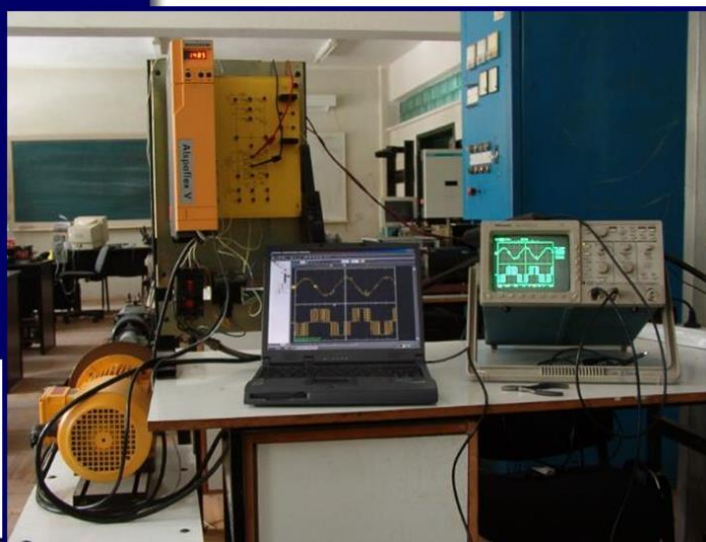
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Join us in the lecture theatres!



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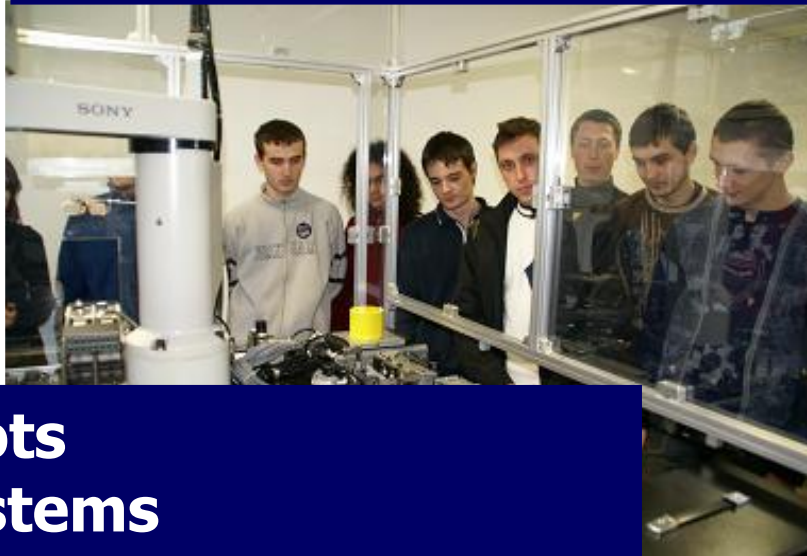
Study hands-on in our labs!



Take advantage of the of the material equipment!



❖ Over 1000 computers connected to the Internet/Intranet network



- ❖ Industrial robots
- ❖ Multimedia systems
- ❖ Communications equipment
- ❖ Modern industrial and laboratory equipment



Facilities



Laboratory building:

- ❖ 28 teaching and research laboratories
- ❖ presentation and conference



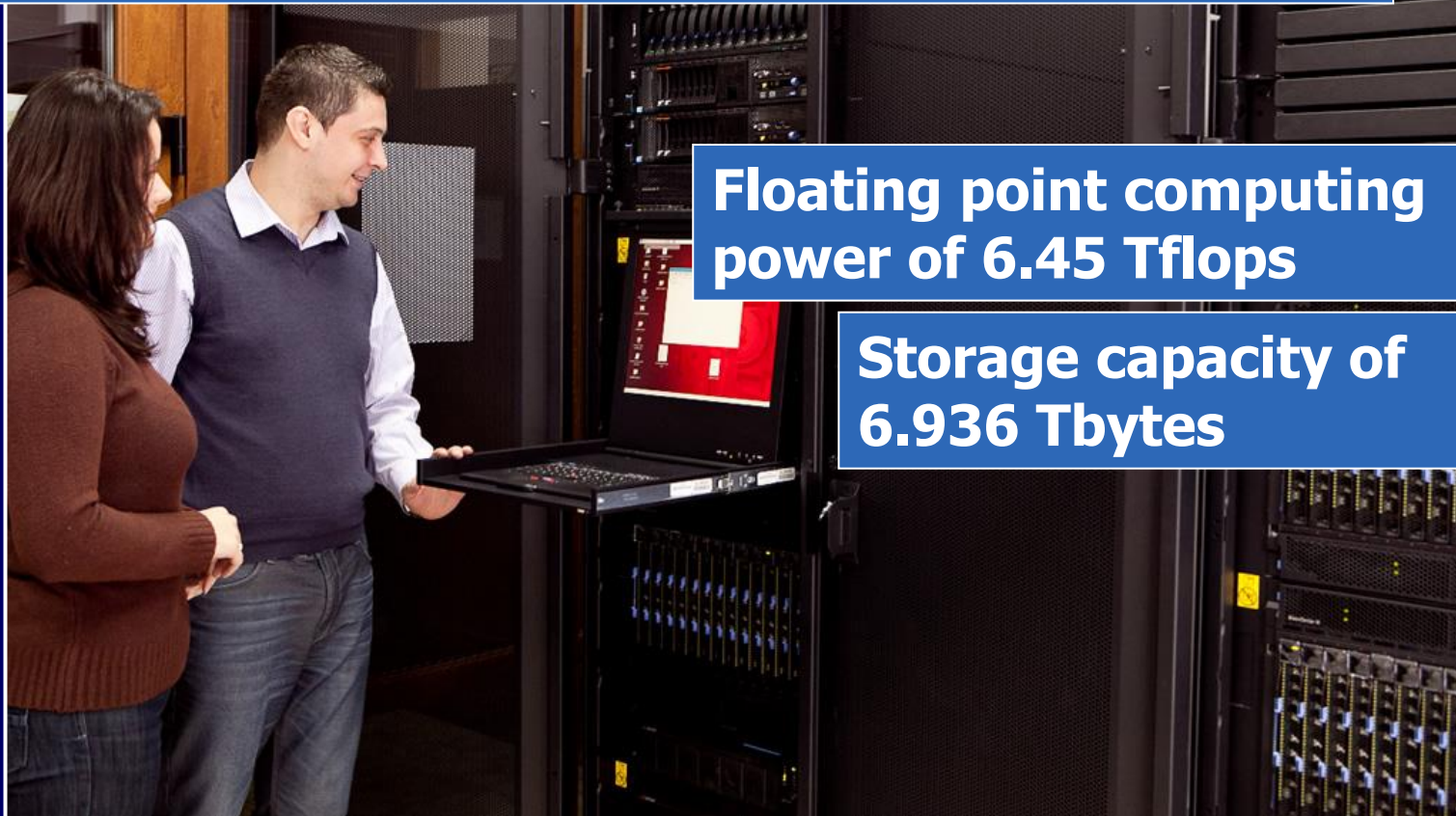
Faculty headquarters:

- ❖ 4 auditoriums
- ❖ 6 laboratories
- ❖ 2 seminar rooms
- ❖ Modern conference room, communication centre and multimedia laboratory



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High Performance Computing Laboratory



**Floating point computing
power of 6.45 Tflops**

**Storage capacity of
6.936 Tbytes**

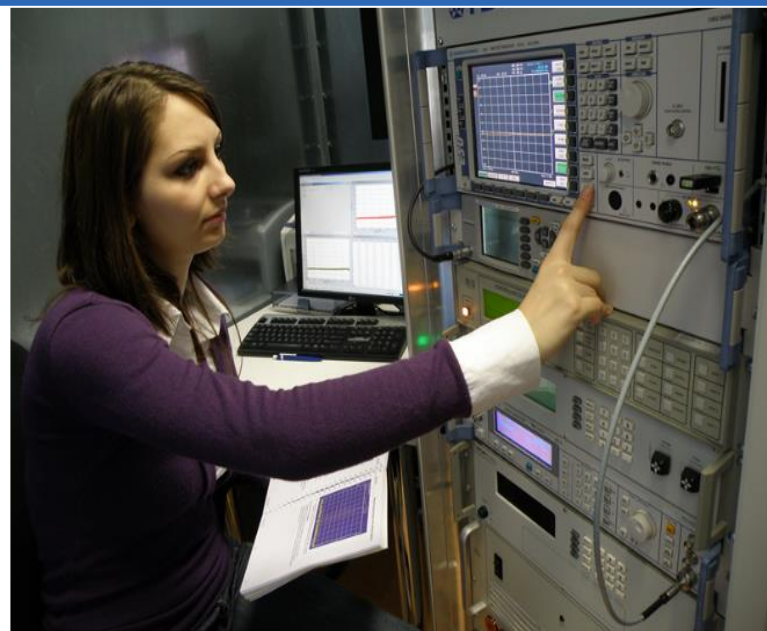


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The Laboratory of Electromagnetic Compatibility

<http://www.emclab.ro>

Accredited by RENAR
Bucharest



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Postgraduate courses

- **Cyber Security Fundamentals**
- **Information Systems Security**
- **Cybersecurity Incident Management**
- **CISCO-CCNA Exploration/Discovery**
- **Academy CISCO - CCNA Security**
- **Academy CISCO - CCNP Academy**



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University Library

**6 reading rooms
and a book
collection of
300,000 volumes**



Swimming and physiotherapy complex

2900 sqm surface area, including swimming pool, changing rooms, annexes (water treatment plant, heating and ventilation plant), physical training rooms, teaching rooms, physiotherapy rooms



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The Sports Ground



**Football pitch, handball, volleyball,
athletics track**

**2,400 m² indoor sports field with
pressure balloon**



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Student Hostels

7 student hostels at European standards

Rooms are equipped with private bathroom, TV, fridge, internet access



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Student Restaurant

Area of 1.600 sqm
Capacity of 250 students



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The Auditorium

- ❖ film screenings
- ❖ theatre performances
- ❖ music concerts



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Hunting lodge Sipoteț (145 km from Suceava, 1500 sqm)

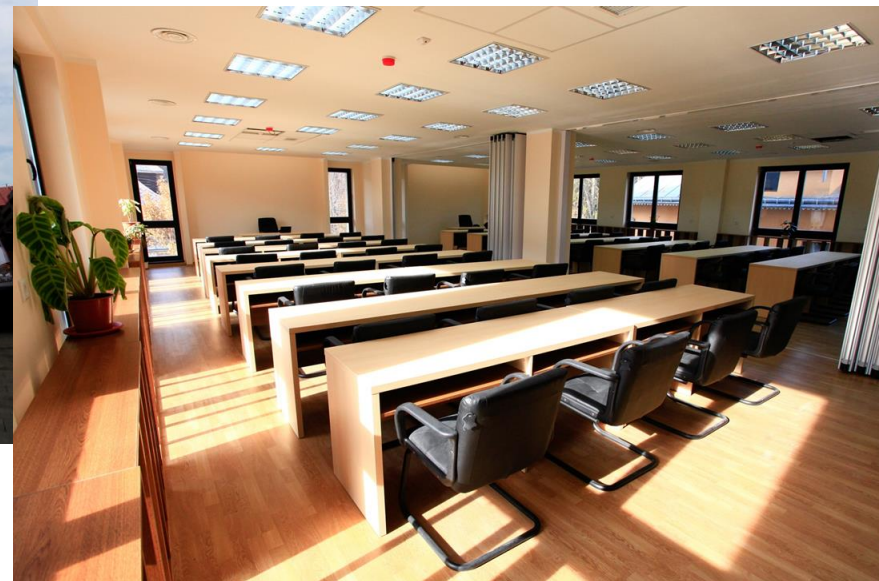
5 rooms, 2 apartments, conference room,
offices, kitchen, dining room with 52 seats,
electric generators, photovoltaic panels.



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Continuous training centre in Vatra Dornei (110 km from Suceava)

3-star hotel: 20 rooms with 2 beds each, 2 protocol
suites and restaurant, conference rooms where
courses can be held, if needed;
SPA: two saunas, fitness room and massage.



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University Campus 2



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Fabulinus Student Theatre



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Internationalization



- ❖ **European Credit Transfer System (ECTS)**
- ❖ **Partnerships with 28 universities in 19 European countries**



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International Agreements



- ❖ **Universite des Sciences et Technologies - Polytech'Lille, FRANȚA**
- ❖ **Università degli Studi di Catania, ITALIA**
- ❖ **Katholieke Hogenschool Sint Lieven Gent, BELGIA**
- ❖ **Instituto Politecnico de Porto, PORTUGALIA**
- ❖ **Fachhochschule Oldenburg / Ostfriesland, GERMANIA**
- ❖ **University of Southern Denmark, DANEMARCA**



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Research Centers

- ❖ **Centre for Scientific Research in Computing**
- ❖ **Research Centre for Electrical Machines, Equipment and Drives**
- ❖ **Research Centre for Process Control Systems**
- ❖ **Centre for Training and Advanced Training in Information and Communication Technologies**
- ❖ **Advanced Materials for Nanoelectronics and Optoelectronics Research Group**



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Scientific Journal
indexed by ISI Thomson Reuters

Advances in Electrical and Computer Engineering

● ISSN: 1582-7445
e-ISSN: 1844-7600
doi: 10.4316/aece
www.aece.ro
www.aece.eu

www.aece.ro, www.aece.eu

InCites JCR Impact Factor: 0.825
InCites JCR 5-Year Impact Factor: 0.752

Advances in Electrical and Computer Engineering is a peer-reviewed journal published by [Ștefan cel Mare University of Suceava](http://www.usv.ro) and the [Romanian Academy of Technical Sciences](http://www.romanian-academy.ro), Romania.

The journal is rated as Class A publication by the Romanian Council for Research in Higher Education ([CNCSIS](http://www.cnscis.ro)) and it is indexed and abstracted in [Science Citation Index Expanded](http://www.isi-thomson.com) by ISI Thomson Reuters.



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Outstanding Contributions to Romanian Research, Development and Innovation

Professor Dorel CERNOMAZU
153 Patents



Invention and Technology Transfer Laboratory



Poziție	TOP 10 UNIVERSITAȚI	brevete	brevete întregi
1	UNIVERSITATEA "ȘTEFAN CEL MARE" DIN SUCEAVA	16	16
2	UNIVERSITATEA "POLITEHNICA" DIN BUCUREȘTI	12	10
3	UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI	10	10
4	UNIVERSITATEA "TRANSILVANIA" DIN BRAȘOV	10	9
5	UNIVERSITATEA TEHNICĂ DIN CLUJ-NAPOCA	6	6
6	UNIVERSITATEA DE MEDICINĂ ȘI FARMACIE "CAROL DAVILA" DIN BUCUREȘTI	6	4,3



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FIESC hosts Student Competitions

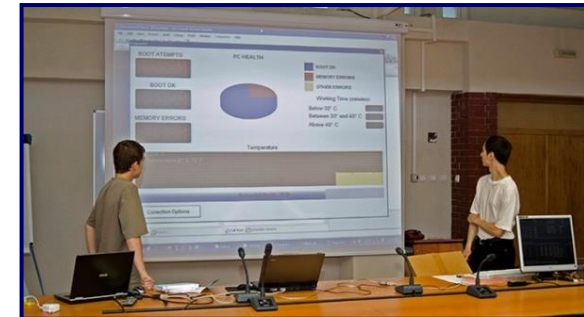
- ❖ **Hard & Soft**
- ❖ **Microsoft Imagine Cup**
- ❖ **ACM Programming Contest**
- ❖ **Interconnection Techniques in Electronics**
- ❖ **CSIDC**
- ❖ **Siemens-VDO**
- ❖ **EarthRover**
- ❖ **etc.**



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FIESC hosts Student Events

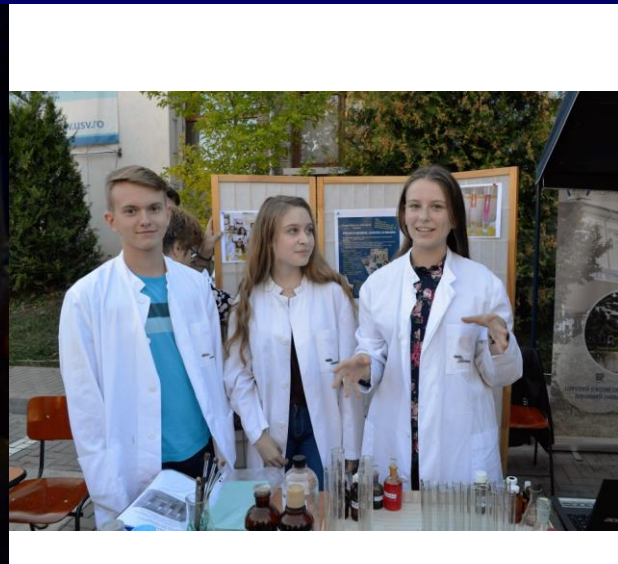
- ❖ **ICE-USV International Fair of Innovation and Creative Education for Youth**
- ❖ **ELSTUD - International session of scientific communications of FIESC students**
- ❖ **StudACE – Student Workshop**
- ❖ **CTF-USV International Student Information Security Competition**
- ❖ **25H@USV - Student competition for design and development of new technologies, creativity and perseverance**



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Researchers Night

Suceava organized this event for the first time, on 28.09.2012, together with 300 other European cities, having as main local promoter the Ștefan cel Mare University of Suceava.



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**Electrical Engineering
and Computer Science
Faculty**

Suceava, Romania

**Come with US
to build YOUR
future!**



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