

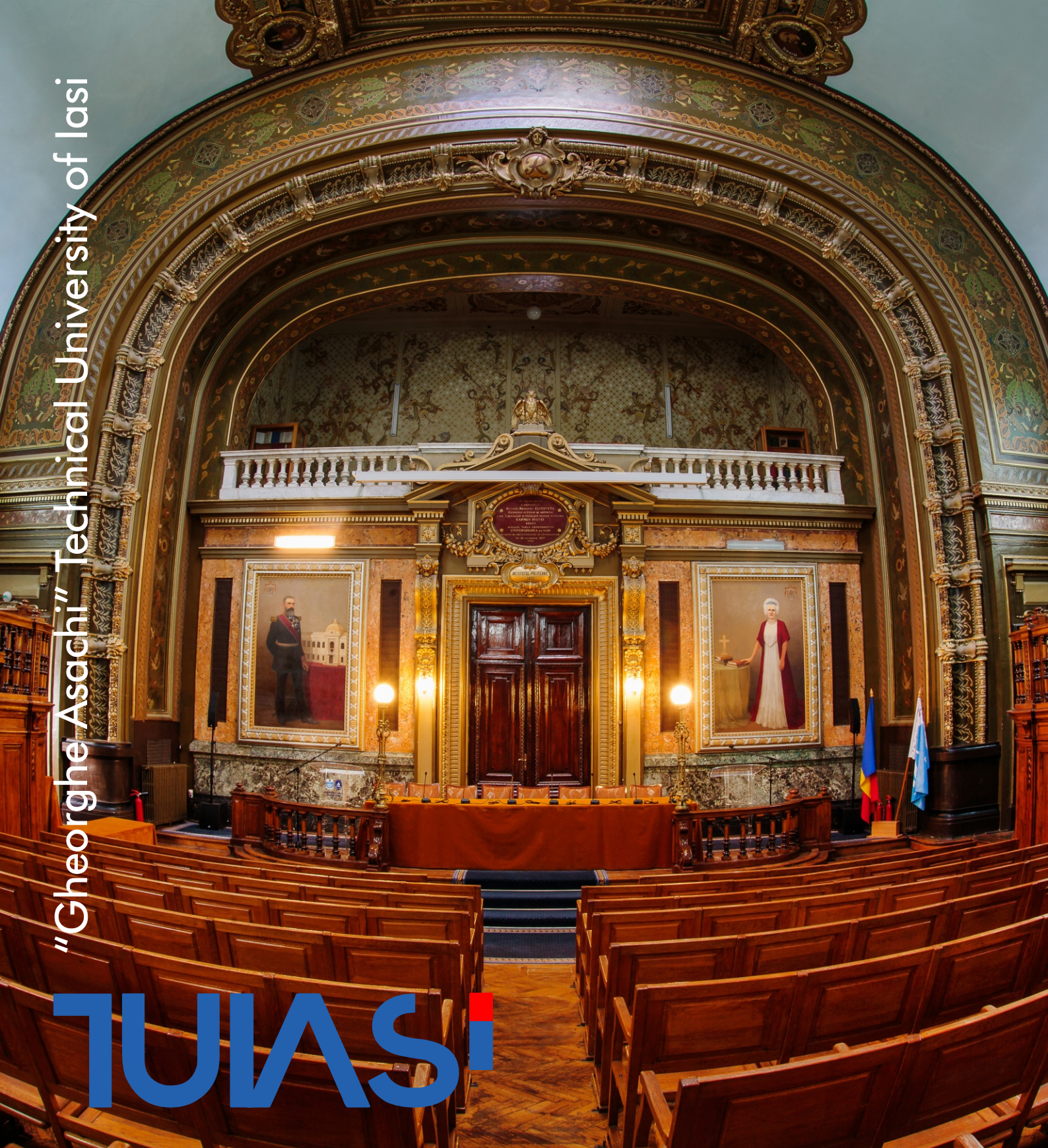
# DISCOVER TUAS!

"Gheorghe Asachi" Technical University of Iasi



"Gheorghe Asachi" Technical University of Iasi

TUIAS!





**Professor Dan CAȘCAVAL**

Rector of "Gheorghe Asachi" Technical  
University of Iasi

“

"GHEORGHE ASACHI" TECHNICAL UNIVERSITY OF IASI – TUIASI is home to over 13,000 diverse and creative students on one of the largest national campuses in the heart of the city of Iasi, a true cultural capital city in North-East of Romania.

The future of change is our top priority since every day brings a new opportunity for us to generously contribute and shape the resourceful mind and spirit of the newly born digital generations of students.

We provide student learning based on innovative research projects in the fields of Engineering and Architecture, responsive to the global social and economic needs. Tomorrow's skills in sustainable approach to tech business are embedded across all our programs at undergraduate, master and Ph.D. levels. TUIASI represents a true challenge for students who are ready to step in the hybrid learning process, with both traditional and digital training on design, manufacturing and management, with consistent exposure to a large variety of professional work environments. Once being with us, experiential learning and global experiences will define employability in the first six months after graduation and lifelong opportunities for entrepreneurial careers.

Your future starts here @ [www.tuiasi.ro](http://www.tuiasi.ro)

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Photo by Andrei Cucu

Palace of Culture



Photo by Andrei Cucu

Central University Library

Iasi is the second biggest city in Romania, with approximately 60,000 students from all over the world. It has the oldest academic tradition in the country, with five top ranking state universities covering all academic fields. It is a place at the crossroads of the bustling student life, tradition and culture. Iasi is Romania's cultural heart, hosting the most important literary festival in Eastern Europe (FILIT), the Theatre Festival for Young Audience (FITPTI) and many other events.

Known today as the Historic Capital of Romania, it was the capital of the country for two years during World War I (1916 – 1918). The city was burned down three times, by the Tatars in 1513, by the Ottomans in 1538, and by Imperial Russian troops in 1686, but was rebuilt bigger and more beautiful each time afterwards.

Exploring the city, you'll be impressed by the beautiful architecture and the stories behind some of the buildings. The city has hundreds of archaeological sites, museums, memorial houses and historic monuments.

Built on seven hills, the city has amazing views and is surrounded by woods where you can hike and bike. In the botanical garden you can chill by the lake or visit the seasonal flower shows. It is also relatively close to some of Romania's most beautiful mountains, like Ceahlău, Hășmaș and Călimani. It is no surprise that the city has a very thriving sports community. Iasi is the centre of the historical region of Moldova, a place well-known for its tasty food and good wines. As a student city, it has a vibrant nightlife, with pubs, discos and clubs that cater to all tastes.

Whether you're a spiritual person, a history buff, a food and wine connoisseur or a sports person, or even all of them, Iasi has something for you.





"Gheorghe Asachi" Technical University of Iași is one of the oldest and most respected universities in Romania, with an important tradition in engineering, architecture and scientific research. It is also well-known in the international community, frequently taking part in academic events all over the world, with yearly mentions in international rankings and with hundreds of students from all continents coming each year.

TUIASI graduates are equipped with the knowledge and practical experience to engage in today's dynamic workforce and to tackle tomorrow's challenges. Our staff and students form a thriving and diverse environment, with cooperation and innovation as core values.

The 11 faculties cover every aspect of engineering and architecture and they are complemented by our Council for Doctoral Studies, our Department of Teacher Training and our Student Entrepreneurial Society. In consequence, TUIASI alumni can follow whatever path they desire, whether this is industry, business, research or teaching.

Our mission is also to take a proactive approach towards the local, national and international social, economic and cultural life. We believe that through knowledge sharing, technological transfer, project implementation and of course training tomorrow's experts we can do our part in improving the future.

We have great cooperation with industry leaders and our students often end up working at some of these big companies. Some of our modern laboratories have also been outfitted in partnerships with these corporations.





# "G.M.Cantacuzino" Faculty of Architecture

## FACTS AND FIGURES

The School of Architecture of Iași defines itself as a hybrid modernist school of architecture, since it was founded in 1970, along with those in Cluj and Timișoara. The Academic Programme is aligned with the principles of European Higher Education Area and Research and in accordance with the National Strategy for Higher Education in Romania. The Diploma of Architect awarded by the „Gheorghe Asachi” Technical University after the completion of the six years of full-time studies in Architecture is recognized for free movement and professional practice in the member states of EU, in accordance with the Directive 2005/36/EC (2013/55/EC) of the European Parliament and of the Council on the recognition of professional qualifications.

## STUDY PROGRAMMES

**Education Structure:** integrated Bachelor's and Master's Degree

**Duration of Studies:** 6 years/ 12 semesters/ 360 credits

**Document of formal qualification:** Diploma in Architecture

Our educational programme consists of an integrated Bachelor's and Master's Degree certified by the completion of a diploma project, as well as the writing of a dissertation. Designed to fully train the future architects, the Bachelor's/Master's integrated study programme prepares its graduates for a very wide range of work fields.



## WHO WE ARE

The Faculty of Architecture in Iași is a school of approximately 600 students which thrives on the friendly, community feeling. The school is located in one of the most unique examples of concrete architecture built during the socialist modernism years, as it was designed by Nicolae Porumbescu and claims its role in configuring a very interesting identity of the Eastern European culture in Iași. Growing a faculty of architecture in such a setting is, on one hand, a great challenge and on the other hand, a great opportunity to exercise a responsible, yet enhancing discourse.

## STRATEGIC OBJECTIVES

Our school's mission is to train the human resource for the specialized field, to preserve, transmit and apply valuable knowledge, while stimulating the didactic, artistic and scientific performance. Our school places great value on: promoting traditional values, while being perceptive to the new and to the contemporary, attracting new values while continuously moderating the dialogue with the perennial values of universal architecture, maintaining a creative work style, promoting critical thinking and professionalism.

## BENEFITS OF STUDYING WITH US

- the structure of the curricula in accordance with the European requirements
- flexibility in a wide range of work fields: architecture, urbanism, design, restoration, advertising
- access to Socrates-Erasmus programmes in over 50 university centers spread throughout 20 countries
- actively involved student community

## POTENTIAL JOBS AND CAREERS

The educational process, comprising 6 years of study aims, through the structure and pedagogical methodology, at development the relevant competencies in the fields of architecture, urbanism, restorations, interior architecture and design, landscaping, being mainly oriented towards building architecture.

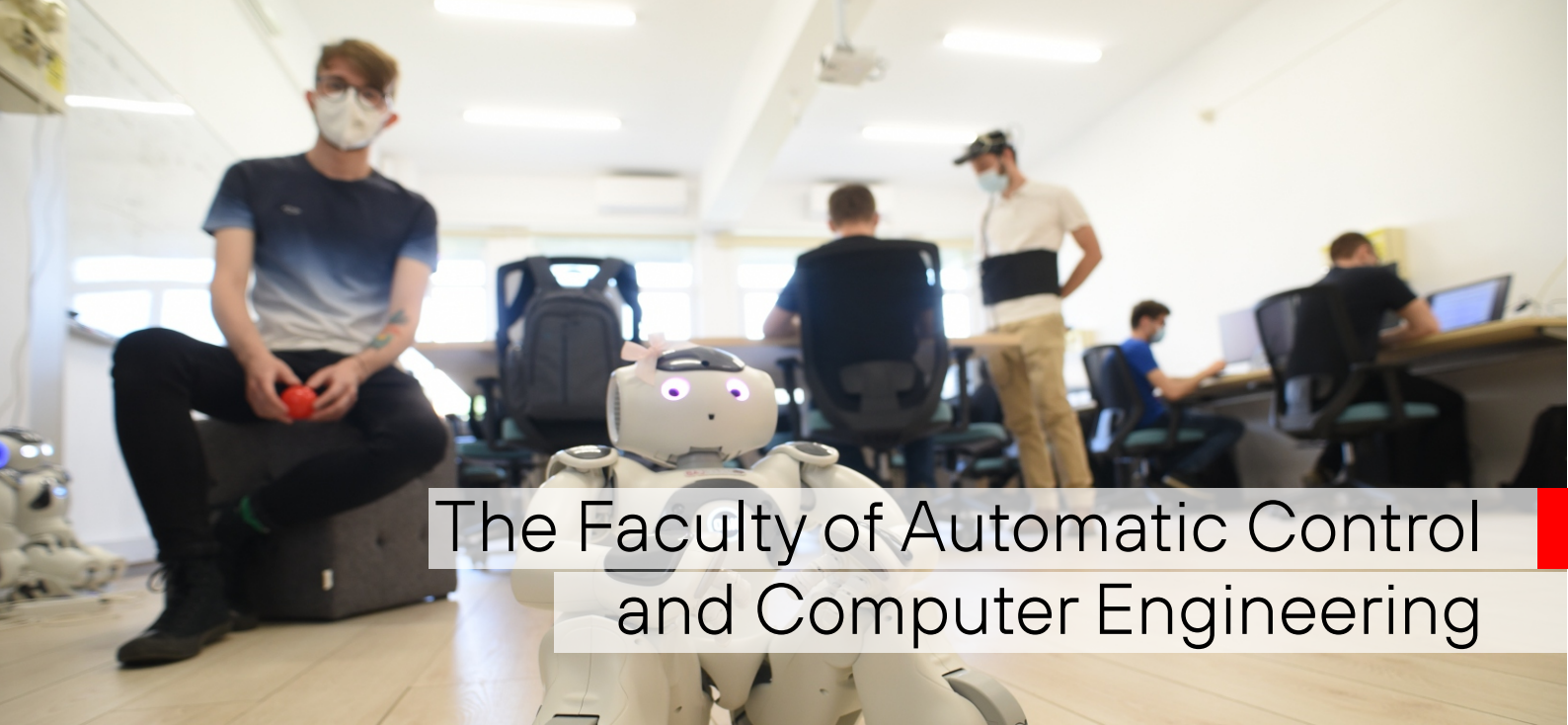
## TESTIMONIALS

"G.M. Cantacuzino" Faculty of Architecture from "Gheorghe Asachi" Technical University of Iași has collaborated with the CEU UCH on several occasions exchanging professors and researchers, sharing critical sessions and reviews of architectural projects, getting internationalization to both institutions. In addition, CEU UCH is considered as one of the best destinations of the students from "Gheorghe Asachi" Technical University and it must be said that these students who come to study with us demonstrate an advanced knowledge of architecture and remarkable interest in the subject. Of course they are welcome and it is a pleasure to share knowledge with them. **Andres Ros Campos, CEU, Valencia, Spain**



[www.arh.tuiasi.ro](http://www.arh.tuiasi.ro)





# The Faculty of Automatic Control and Computer Engineering

## FACTS AND FIGURES

The mission of our faculty is to prepare students to be outstanding engineers in a rapidly changing and increasingly multidisciplinary profession. Through high-quality and effective courses at the undergraduate, graduate, doctorate and continuing-education levels, our students are grounded in scientific, mathematical, and technical knowledge through coursework that keeps pace with current relevant technologies. Our goal is to empower our students to become tomorrow's technology leaders. Students can choose between two specializations: Systems' Engineering and Computers and Technology Information.

## STUDY PROGRAMMES

### BACHELOR

- Automatic Control and Applied Informatics
- Computer Engineering
- Information Technology

### MASTER

- Embedded Computers
- Distributed Systems and Web Technologies
- Distributed Systems and Web Technologies (in English)
- Cybersecurity
- Embedded Control Systems
- Machine Learning, Robotics and Control (in English)



## WHO WE ARE

The first courses on Control Engineering and Computers were introduced at the Faculty of Electrical Engineering in 1959 and 1963, respectively. In response to the world-wide development of these two fields, the first specialization in Automatic Control and Computer Engineering was established in 1977. Due to the growing demand of specialized engineers in the fields of systems engineering, computers and information technology, the Faculty of Automatic Control and Computer Engineering was founded in 1990 as a separate entity.

## STRATEGIC OBJECTIVES

Our faculty offers an education that combines rigorous academic study with the stimulation of creative activities to train skilled engineers. The main objective is to transfer knowledge to solve real life problems.

## BENEFITS OF STUDYING WITH US

- Rigorous and up-to-date curriculum
- Great research facilities
- Internship opportunities in top IT engineering companies
- Experiencing a vibrant student lifestyle
- Getting international experience through academic exchange

## POTENTIAL JOBS AND CAREERS

- Automation engineer
- Software engineer
- Research assistant
- IT Project manager
- Data science specialist


## TESTIMONIALS

**Adrian Alecu** - Being an engineer often means facing new challenges, knowing that the road to success may be paved with obstacles that you will have to learn to overcome.

**Adrian Bulat** - From research projects to student experiences, the Faculty of Automatic Control and Computer Engineering offers a proper environment for a successful career in IT.







# "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection

## FACTS AND FIGURES

- Over 100 year experience in Chemical engineering studies
- 3 academic domains
- All educational programmes are accredited by ARACIS
- 9 BSc Specializations
- 7 MSc Specializations
- 3 PhD Domains
- 69 faculty staff members
- 4 lecture theatres
- 17 lecture rooms
- over 50 laboratories

2020 academic results: 62 BSc Graduates, 79 MSc Graduates, 5 PhD theses

2020 research outcomes: 102 papers published in ISI journals, 13 research projects funded by national / international agencies, 43 Research contracts with industry

## STUDY PROGRAMMES

### BACHELOR

- Biochemical Engineering
- Chemical Engineering
- Chemistry and Engineering of Organic Compounds, Petrochemistry and Carbochemistry
- Economic Engineering in Chemical and Materials Industry
- Environmental Engineering and Protection in Industry
- Food Chemistry and Biochemical Technologies
- Inorganic Products Engineering and Environmental Protection
- Papermaking Engineering
- Polymer Science and Engineering

### MASTER

- Clean Chemical Processes
- Food Control and Processing
- Environmental Management
- Environmental Management and Sustainable Energy (in English)
- Pharmaceutical and Cosmetic Products
- Polymeric Biomaterials and Bioresources
- Waste Management, Treatment and Recovery



## WHO WE ARE

Our Faculty performs education, research, and innovation activities at the highest international level. Our academic and scientific results support the creation and dissemination of high quality knowledge, the training of competent professionals and leaders in chemical and environmental engineering.

## STRATEGIC OBJECTIVES

- Increasing academic studies attractiveness and correlating them with the labour market
- Continuous improvement of educational and research programmes
- Improving international visibility and dissemination of our academic and research results

## BENEFITS OF STUDYING WITH US

- Developing specific knowledge and skills in cutting-edge areas of engineering;
- Developing skills in the design, operation and control of complex processes;
- Combining science with technology, theory with practice;
- Developing creativity and innovation, communication and cooperation skills;
- Preparing for management and leadership.

## POTENTIAL JOBS AND CAREERS

- Chemical Engineer, Chemist;
- Environmental Engineer;
- Environmental Manager, Economic Engineer;
- Researcher in chemical and environmental fields;
- Industrial Consultant (process, optimization, safety, environment, economics, etc.).



## TESTIMONIALS

"My student life has been the greatest period so far and I will never forget it because we have made friends for life, we have met professors that shaped our future and we have partied all along."

**Tatiana Ichim, 1st year MSc student**

"The 8 years as a student plus the 4 years in the PhD programme have been very formative and informative. Our professors have given us, beside specific knowledge and competences, creativity, a critical spirit and have boosted our curiosity and self-confidence."

**Simona Popa 2012 PhD Graduate**





# The Faculty of Civil Engineering and Building Services

## FACTS AND FIGURES

We provide education and research in and research in high demand on the construction market.

- 3 Bachelor programs, 4 years, 240 ECTS
- 11 Master programmes, 2 years, 120 ECTS;
- 2 programmes fully taught in English language: 1 Bachelor and 1 Master programmes;
- 1585 students in Bachelor programmes and 457 students in Master programmes;
- 286 international students;
- 50 students in international mobility programmes;
- 94 (117) academic staff;
- 94% employment of all graduates;
- 3 auditoriums;
- 2 research centres;
- 21 well-equipped laboratories.

## STUDY PROGRAMMES

### BACHELOR

- Civil, Industrial and Agricultural Buildings
- Road, Railways and Bridges
- Civil Engineering (EN)
- Building Services Engineering

### MASTER

- Building Engineering – RO
- Building Services - RO
- Construction Management and Special Technologies – RO
- Geotechnical Engineering – RO
- High-Performance Materials and Products for Constructions - RO
- Modern Transportation Infrastructure – RO
- Real-Estate Assessment and Management – RO
- Real-Estate Entrepreneurship - RO
- Building Rehabilitation and Safety Enhancement - RO
- Structural Engineering – RO
- Structural Engineering – EN

## WHO WE ARE

We provide education and research to the newly born digital generations of students in the sustainable, digital and entrepreneurial era of construction works.

## STRATEGIC OBJECTIVES

- thriving on the challenge of blending the traditional and the latest skills into the diverse work environments;
- embedding responsible design and smart management in today's infrastructure projects.

## BENEFITS OF STUDYING WITH US

- newly adapted curricula to the green deal and digital challenges;
- tailor made research programmes for students in all master programmes;
- international mobilities based on over 60 Erasmus agreements with global partner universities;
- actively involved student community in voluntary work projects;
- multicultural environment to practice efficient communication and critical thinking skills.

## POTENTIAL JOBS AND CAREERS

The relevant competences open to the students paths to a flexible career, at both a national and an international level. Graduates are fit to work in both SMEs and multinational companies, covering a wide range of jobs, from technical design to management and supervision positions.

## TESTIMONIALS

"A building has many creators and you can be one of them. Anyone can destroy, but only those who are passionate can build up!", **Tofan Ștefan-Dan**, MM Bau GmbH, Berlin, Germany

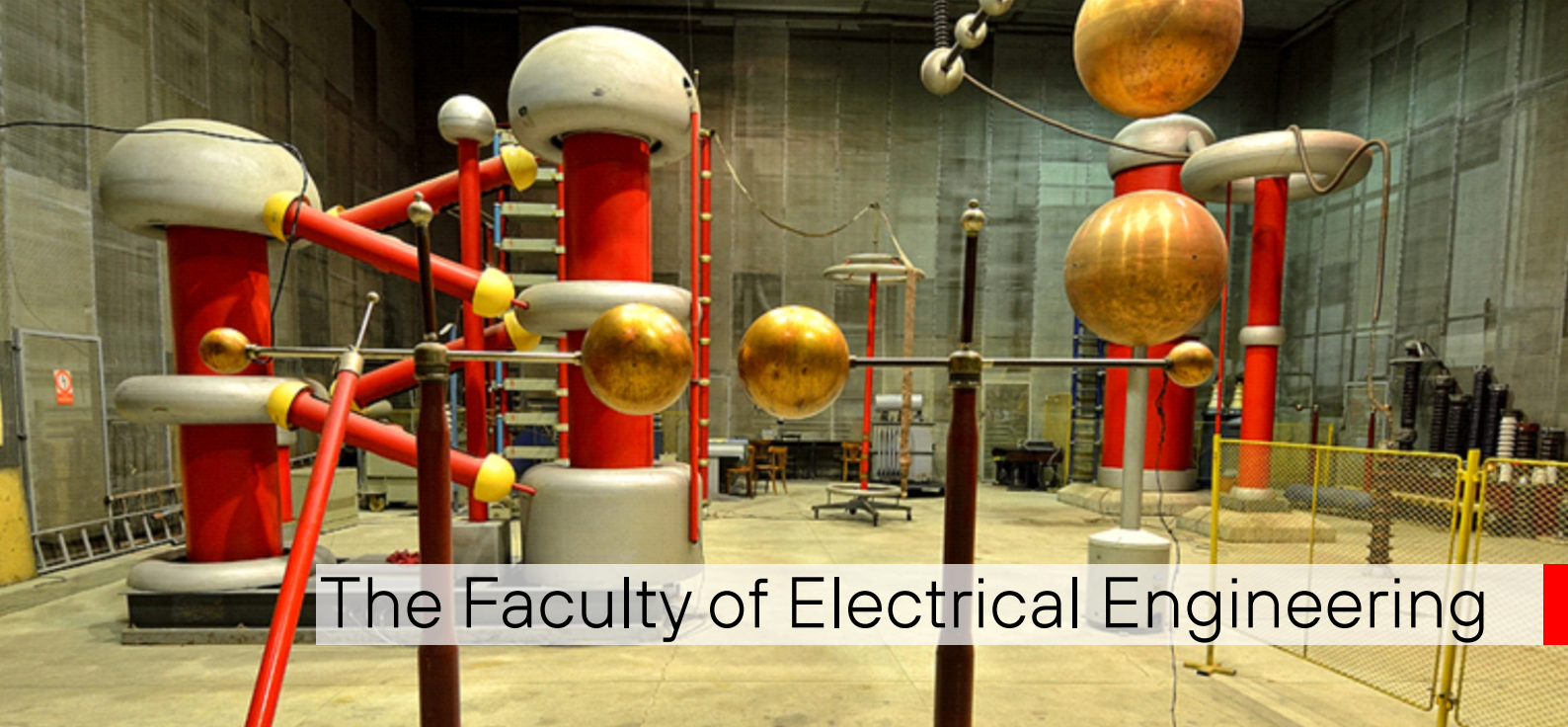
"Through hard work and perseverance you will be able to build your dreams", **Vlascu Adrian**, Doha, Qatar

"The Faculty of Civil Engineering and Building Services from Iasi offers you a programme that can really help you with how to proceed in the field.", **Robert Chihaia**, UK



[www.ci.tuiasi.ro](http://www.ci.tuiasi.ro)





# The Faculty of Electrical Engineering

## FACTS AND FIGURES

Stop for a few moments and imagine your life without electric energy. Things we are so used to using such as electric light, heating, trams, computers, mobile phones etc., could be supported by other energy sources, but would they be as easy to use? Just as small and smart? As accessible and harmless as possible? Imagine what the world would be like if we succeeded in a few years to capitalize on the full potential of renewable sources of electricity available in nature in all its forms. As such, you will appreciate the importance of electricity for the future of the world we live in.

## STUDY PROGRAMMES

### BACHELOR

- Power Electronics and Electric Drives
- Instrumentation and Data Acquisition
- Electrical Systems
- Applied Computer Science in Electrical Engineering
- Power Engineering Systems
- Energy and IT Technologies
- Economic Engineering in the Electrical, Electronic and Electric Power Fields

### MASTER

- Energy Conversion and Motion Control
- Advanced Electrical Systems
- Computer Systems for Environmental Monitoring
- Energy - Environmental Management
- Energy Systems Management
- Engineering and Management in the Context of Globalization

## WHO WE ARE

The successor of the first School of Industrial Electricity in Romania, which trained specialists in the field of electrical and energy power engineering, with an experience of over 110 years.

## STRATEGIC OBJECTIVES

- Increasing the quality level of teaching and research laboratories
- Ensuring the continuity of the teaching staff
- Developing new postgraduate training programmes
- Participation of teaching staff in national and international committees

## BENEFITS OF STUDYING WITH US

- Through the diversified educational offer, experience, the scientific prestige recognized at the international level, the number of graduates, the quality of the teaching process, the Faculty of Electrical Engineering prepares specialists for a dynamic and globalized labour market.
- Students benefit from Erasmus mobilities anywhere in Europe at prestigious universities
- The Electrical Engineering Students' League ("Liga Studenților Electrotehniști") is one of the strongest student leagues in Romania
- The diplomas issued are recognized and acknowledged anywhere in the world in Europe, Canada, USA, Israel, etc.
- The acquired competencies are recognized by major employers as Continental, Osram, Vitesco, Preh, E-on, Dacia, ArcelorMittal, IGWatteeuw, BorgWarner, etc.

## POTENTIAL JOBS AND CAREERS

With an employment rate of over 90%, our trained engineers, with solid knowledge in the field of information technology, high or low value currents, as well as economic management, are required in industry and research throughout the European Union.

Graduates of the faculty can perform activities of design, execution, operation and maintenance of electrical equipment as well as teaching and research.

## TESTIMONIALS

"Thanks to the professors from the Faculty of Electrical Engineering Iași who paved the way for the latest technologies I managed to control complex equipment all over the world". **Adrian Postolache, Officer, Automation Engineer.**

"I was not a student with grades of 10 out of 10, because I learned what I thought I would need, ... but now, in 2020, I am working as a Hardware Engineer at the Ford Motors R&D Center in America". **Cosmin Toader, Ford Engineer.**





A photograph of several students in a laboratory setting, wearing face masks and working at computer workstations. The students are focused on their work, with some looking at monitors and others at their hands. The lab is equipped with various electronic equipment and computers.

# The Faculty of Electronics, Telecommunications and Information Technology

## FACTS AND FIGURES

- 4-year Bachelor programmes, Master and Ph.D. studies
- about 1600 undergraduate and Master students
- 10 PhD advisors
- 80 academic staff
- 4 departments: Telecommunications and Information Technologies, Applied Electronics and Intelligent Systems, Fundamentals of Electronics, Mathematics
- a class-A faculty, ranked on the second place among all Romanian faculties of Electronics and Telecommunications.

## STUDY PROGRAMMES

### BACHELOR

- Applied Electronics;
- Microelectronics, Optoelectronics and Nanotechnologies;
- Telecommunication Technologies and Systems (in Romanian and English);

### MASTER

- Digital Radiocommunications;
- Communication Networks;
- Advanced Systems in Applied Electronics;
- Intelligent Electronic Systems and Industrial Informatics;
- Modern Signal Processing Techniques;
- Automotive Electronic Control Systems (AECS) (in English);
- Information Technologies for Telecommunications (IT4T) (in English)

## WHO WE ARE

Our faculty prepares highly-specialized human resources skilled in telecommunications systems, industrial electronics, and microtechnologies. The main areas of interest include automotive electronics, power converters, mobile communications, microelectronic integrated circuits design, artificial intelligent technologies, and modern signal processing algorithms. We provide a challenging, creative, and deontological environment for academic studies, interdisciplinary research, and scientific collaborations at national and international level.

## STRATEGIC OBJECTIVES

- Artificial intelligence
- Automotive
- Microelectronics
- Information technology
- E-health
- Power electronics

## BENEFITS OF STUDYING WITH US

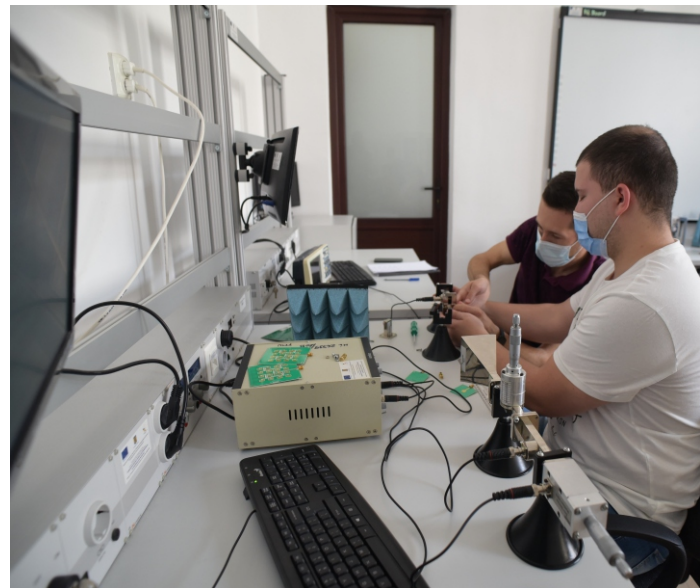
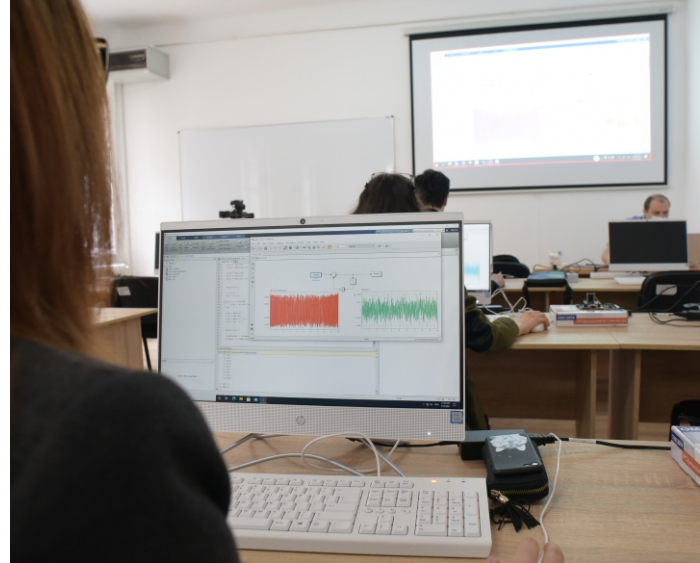
- perfect blend of fundamental and practical training in a top field of engineering sciences
- possibilities to prepare for a research career by pursuing master and PhD studies in electronics, telecommunications and information technologies
- scholarships and internships offered by major companies
- studying abroad in European universities through ERASMUS programme
- employment opportunities in local or worldwide branches of leading multinational companies

## POTENTIAL JOBS AND CAREERS

- services, maintenance, development for major telecom operators;
- software applications for digital communications;
- industrial electronics applications based on micro-controllers, DSP, and FPGA;
- automotive applications;
- analog and digital VLSI design; web design and applications;
- studio equipment maintenance and operation (radio/TV stations);
- security systems, cyber-security;
- jobs offered by electronics and telecom companies: Continental Automotive, Vitesco Technologies, Osram, AMD, Electra S.R.L., Alten, Preh, Infineon, Delphi, NTT DATA, ORACLE, ORANGE, MICROCHIP, Nera-Concord, Tehno Fuzion, TVR, VEEONER, Silicon Service, Ericsson.

## TESTIMONIALS

"The Faculty of Electronics and Telecommunications was for me a natural way to continue deepening the knowledge gained during high school. In college, with the help of the lecturers I interacted with, I learned how to become a professional and how to become an engineer working in the development of electronic systems, software algorithms and innovative products for electric cars. When I think of the ETTI faculty, I think of the career I have now, of the dear personalities who are with me and of the beautiful memories from my student days. I strongly believe that the ETTI faculty is a suitable choice for all those who are passionate about this field and those who want to become professionals". **Octav Pintilie**, Vitesco Technologies Romania







# The Faculty of Hydrotechnical Engineering, Geodesy and Environmental Engineering

## FACTS AND FIGURES

The Faculty of Hydrotechnical Engineering, Geodesy and Environmental Engineering was founded in 1963, when the Land Reclamation and Hydrotechnical Constructions academic specialization areas were joined.

The origin of these specialization areas corresponds to the beginning of higher technical education in Romania.

Our faculty is the choice of students who wish to tackle the challenges facing our environment and also of those fascinated by sustainable development, as upon graduation they will become hydrotechnical, surveyor or environmental engineers.

## STUDY PROGRAMMES

### BACHELOR

- Engineering and Environmental Protection in Agriculture
- Hydrotechnical Constructions and Arrangements
- Land Reclamations and Rural Development
- Terrestrial Measurements and Cadastre

### MASTER

- Engineering and Management of Environmental Factors
- Assessment and Real Estate Development
- Hydrotechnical Engineering
- Modernization of Hydrotechnical Engineering, Hydroameliorative and Hydroedilitarian Systems
- Geomatics and Cartography

## WHO WE ARE

We train students in designing, executing and using hydrotechnical equipment and structures, territorial and rural development, surveying and farmland preservation.

## STRATEGIC OBJECTIVES

- Diversification of the educational offer, including programmes in languages of international circulation, in correlation with the social and economic dynamics;
- High-performance scientific research activity, both within its Bachelor specific programmes, as well as within the postgraduate study programmes (Master's degree, Ph.D. studies, etc);
- Effective and real communication with students of all university programmes and postgraduate studies, with a view to finding common ways to improve academic activities.

## BENEFITS OF STUDYING WITH US

- study and research with modern measuring equipment
- collaboration with prestigious European universities
- technological topographic internships
- study visits to thematic objectives
- partnerships with companies and public institutions in the field

## POTENTIAL JOBS AND CAREERS

- construction engineer designer;
- environmental engineer;
- environmental analyst;
- cadastre engineer.

## TESTIMONIALS

"The Faculty of Hydrotechnical Engineering, Geodesy and Environmental Engineering prepares you to provide people with water without which they cannot live, to protect its quality, to purify it when it is polluted, thus contributing to the sustainable development of society." **Ionita Diana**

"The decision to apply to this faculty was a tailor-made one, as it opened up new horizons for me and the opportunity to work in an innovative environment." **Anca Danila**

"For me, the Faculty represents the lever between the student eager for knowledge and the man of today, who is headed towards professional development, helped by valuable mentors." **Gabriela Dorin**

"Here I felt it was my place and I do not regret this decision at all. Technical studies can bring professional achievement in almost any field. Trust me I'm an engineer!" **Luiza Niculei**

"Teachers, fellow students, symposia, volunteering, scholarships and all my activities so far have convinced me that I have made the best choice." **Oana Robu**



[www.hgim.tuiasi.ro](http://www.hgim.tuiasi.ro)





# The Faculty of Industrial Design and Business Management

## FACTS AND FIGURES

The Faculty of Industrial Design and Business Management is known as the first and only faculty in Romania offering a complete range of study programmes for all higher education cycles (BSc, MSc and PhD) in the fields of Industrial Engineering, Engineering and Management and Chemical Engineering for Textiles, Clothing, Leather and Footwear (TCLF) Industries.

- Founded in 1934
- Multidisciplinary education
- 4 Departments
- 1 Doctoral School
- 1 Research center
- 7 Bachelor programmes (Romanian)
- 1 Bachelor programme in English
- 10 Master programmes
- Over 900 students (BSc & MSc)
- Over 70 academic staff
- Alumni association
- Member of the Association of Universities for Textiles (AUTEX).

## STUDY PROGRAMMES

### BACHELOR

- Industrial Design
- Industrial Design (in English)
- Technology and Design of Textiles
- Knitting and Clothing Technology
- Footwear Design and Technology
- Industrial Business Engineering
- Business Engineering and Management
- Textile Chemical Technology

### MASTER

- Quality Assurance in Textile & Leather Industry
- Clothing Design and Modelling
- Innovative Production Systems for Clothing Industry
- Advanced Knitting Technologies
- Advancements in Footwear Design and Technology
- Management and Business Administration
- Production Management
- Innovation and Entrepreneurship
- Project Management for Engineers
- Eco-design in Textile Finishing

## WHO WE ARE

We are a Faculty committed to train our students to become the best-skilled engineers, able to perform in TCLF industries as specialists in production and management.

## STRATEGIC OBJECTIVES

- To develop further research & innovation activities
- To ensure international recognition of our courses
- To promote and sustain regional entrepreneurial ecosystems

## BENEFITS OF STUDYING WITH US

- You gain both technical and management skills.
- You can develop your own business idea.
- You will use the latest digital technologies for TCLF industry.
- You can study abroad through the Erasmus+ programme.
- You are part of a thriving community of engaged students.

## POTENTIAL JOBS AND CAREERS

- Our graduates receive a strong base of knowledge acquiring digital, technological, managerial, and entrepreneurial skills and competencies, being successfully employed by a large variety of TCLF companies.

Our Alumni are:

- Production & project engineers
- Production & product managers
- Fashion product developers
- Entrepreneurs
- Researchers
- Professors

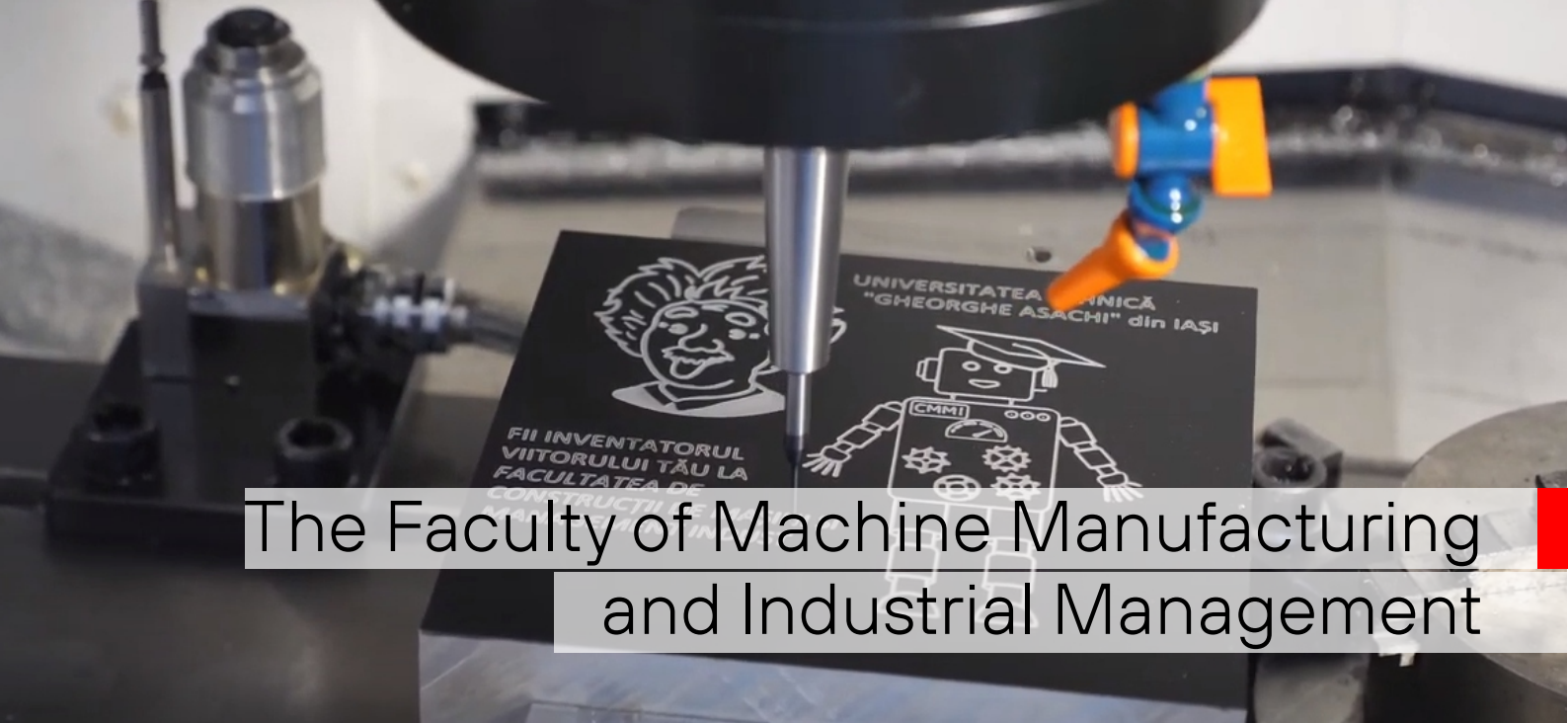
## TESTIMONIALS

"DIMA offered me many opportunities and challenges, contributing to my formation as an adult, both professionally and personally. DIMA is a hub in which the business environment blends perfectly with the theory from the classroom". **Alice Mătăşel**

"DIMA was the perfect environment for my personal and professional development because, during my years of study, I discovered countless opportunities for young people who want to overcome and break down the barriers imposed by particular prejudices and be successful". **Andreea Talpă**







# The Faculty of Machine Manufacturing and Industrial Management

## FACTS AND FIGURES

Our Faculty combines traditional training in engineering with the most advanced educational techniques. In the last 6 years, 6 didactic/research laboratories have been upgraded with the support of industrial partners, being thus provided with state-of-the-art equipment. Our work has led to many important results, among which we could mention: 28 partnership agreements with companies from our country and abroad; 200 places for internships with economic partners in the field of automotive, design and manufacturing of components for aerospace, design and manufacturing of high precision molds; 15 internship scholarships per year at large companies in the North-East region. The employability rate in the field of training is over 85%. Students' creativity is also stimulated, as there are over 100 patent applications filled by them.

## STUDY PROGRAMMES

### BACHELOR

- Machines Manufacturing Technology
- Digital Production Systems
- Welding Engineering
- Precision Mechanics and Nanotechnologies
- Fluid Machines and Systems
- Business Engineering in Mechanics
- Digital Manufacturing Systems (in English)

### MASTER

- Computer-Aided Design and Manufacturing
- Production Management and Technology
- Micromechanical Systems
- Advanced Manufacturing Technologies
- Applied Fluid Mechanics
- Industrial Entrepreneurship
- Intelligent Manufacturing and Automation (in English)

## WHO WE ARE

Our faculty has tradition in industrial and mechanical engineering training (the faculty has the oldest department of Machine-Tools, currently Digital Manufacturing Systems, in the country).

## STRATEGIC OBJECTIVES

Our faculty is committed to train its graduates to work in companies with mechanical profile. Through flexible educational and practical training plans, we provide engineering skills in the areas of machine manufacturing, design/exploitation of technological equipment, hydraulic/pneumatic machines and systems.

## BENEFITS OF STUDYING WITH US

- training in laboratories with state-of-the-art equipment;
- internship opportunities in prestigious companies in the field of manufacturing and top design;
- scholarships and special scholarships awarded by industrial partners;
- employability and well-paid jobs;
- recognition of diplomas abroad;
- opportunities for training at partner universities in Europe and around the world;
- training for both the product design activities and the manufacturing of those;
- accommodation of all students in our own halls of residence on the university's campus.

## POTENTIAL JOBS AND CAREERS

Our students have a wide array of opportunities waiting for them after graduation.

They can become: engineers able to design, plan and manage manufacturing processes for various products; production systems design engineers; specialists in programming CNC machine-tools; specialists in hydraulic and pneumatic domain; specialists in welding; managers at different levels; private entrepreneurs and many more.

## TESTIMONIALS

"You are where you have to be and studying at the Faculty of Machine Manufacturing and Industrial Management, a successful career could wait for you. It's all on you." - **Bogdan Corneschi – Continental**

"In my career I had the honor of meeting special mentors, including my teachers. They helped me appreciate the value of technical culture and discover this challenging field with immense opportunities for self-development." - **Daniel Vărlan – ALTEN group**



[www.cmmi.tuiasi.ro](http://www.cmmi.tuiasi.ro)





# The Faculty of Materials Science and Engineering

## FACTS AND FIGURES

MSE Faculty carry out state-of-the-art research covering all areas of materials science, including Materials Processing, Materials Characterization, Measurement of Materials Properties, and Modeling with particular emphasis on:

- Advanced Materials and Advanced Manufacturing
- Nanostructured Materials
- Biomaterials
- Smart Materials
- Shape Memory Alloys
- Coatings and Surface Engineering.

MSE Faculty is home to 620 undergraduate and 280 graduate students in Spring 2021, who could expand the opportunities to work with all classes of materials.

## STUDY PROGRAMMES

### BACHELOR

- Materials Science
- Materials Processing Engineering
- Equipment for Industrial Processes
- Industrial Safety Engineering

### MASTER

- Advanced Materials and Experimental Analysis Techniques
- Advanced Techniques in Materials Processing Engineering
- Industrial Systems for Modern Technologies
- Occupational Safety and Health Engineering

## WHO WE ARE

Established in 1990, MSE Faculty has outstanding facilities, enthusiastic professors, dynamic and vibrant researches stimulating specific courses and applications.

## STRATEGIC OBJECTIVES

- Build a state-of-the-art materials infrastructure.
- Create, transfer, and preserve knowledge through impactful research and dynamic teaching.
- Promote the visibility and impact of MSE.

## BENEFITS OF STUDYING WITH US

- Modern facilities for applicative learning
- Designing new materials and processes
- Learning in research laboratories
- Develop interdisciplinarity skills and expertise
- State of the art in materials engineering

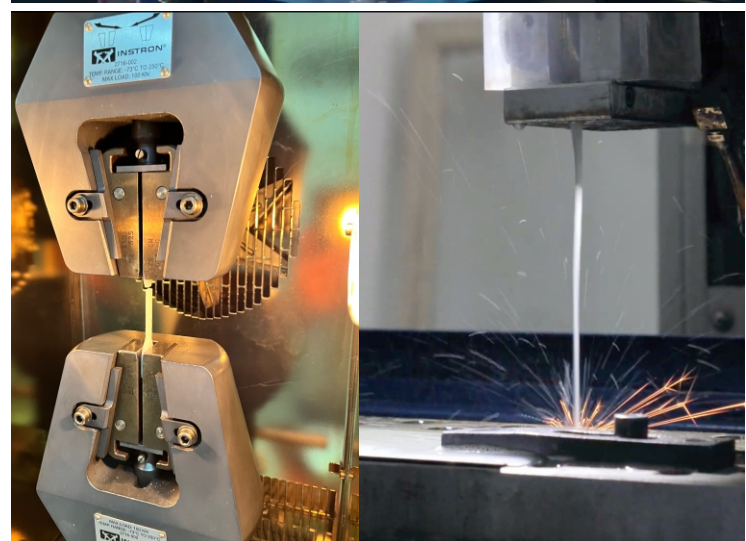
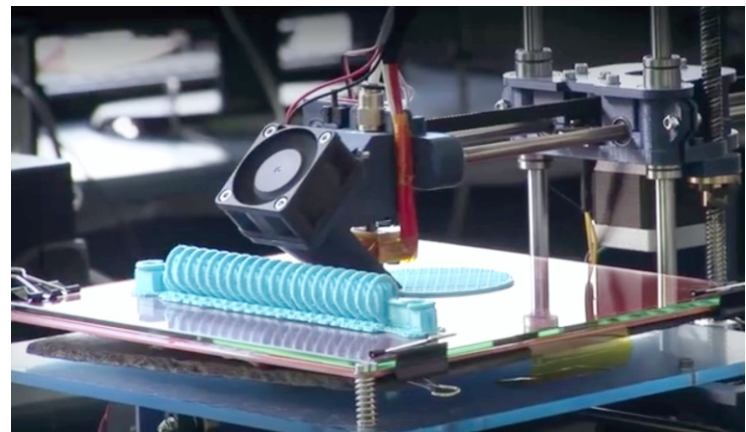
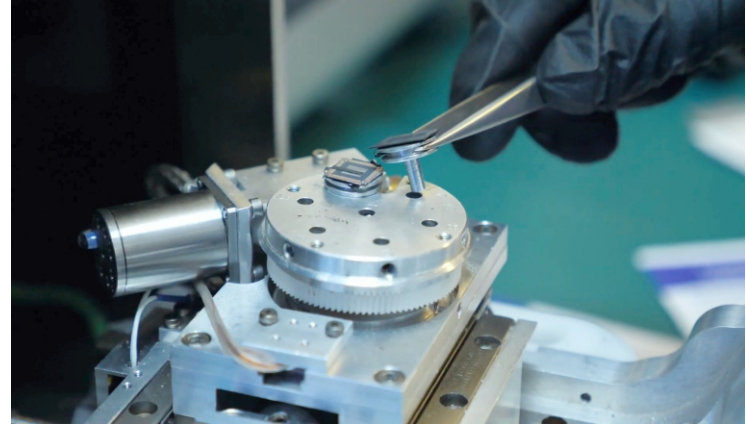
## POTENTIAL JOBS AND CAREERS

MSE works with a variety of materials like glass, ceramics, rubber, plastics, metals, polymers, and minerals: a qualification in any of these subjects is a good way of finding employment as a materials and design engineer or a processing and industrial manufacturing specialist.

## TESTIMONIALS

**Ionuț Adomniței**, 2005 "MSE provides the fantastic ability to think and lead in a multidisciplinary manner, which helps in adapting to many situations".

**Andrei Ravac**, 2019 "MSE allowed me to understand why materials behave as they do and what we can do to change that in our benefit."



[www.sim.tuiasi.ro](http://www.sim.tuiasi.ro)





# The Faculty of Mechanical Engineering

## FACTS AND FIGURES

Our students are trained in three areas of specialization: Automotive Engineering, Mechanical Engineering, and Mechatronics and Robotics, in both undergraduate and graduate studies. In well-equipped labs, students learn about advanced mechanical design, automotive engines and powertrains, automotive design, air conditioning and refrigeration equipment, boiler control systems, turbines, renewable energies, food industry engineering and agricultural equipment and machinery. They also study mechatronics and robotics in a high-tech environment involving an interdisciplinary approach that combines mechanical engineering, electronics and computer science.

## STUDY PROGRAMMES

### BACHELOR

- Automotive Engineering
- Engineering of Automotive Propulsion Systems
- Automotive Construction
- Mechanical Engineering
- Thermal Systems and Equipment
- Machines and Installations for Agriculture and Food Industry
- Mechatronics
- Robotics

### MASTER

- Conception and Management of Automotive Design Road
- Traffic Safety and Performances
- Systemics of Motor Vehicles Transportation
- Hybrid and Electric Vehicles
- Diagnosis and Technical Expertises in Mechanical Engineering
- Heat Machines, Refrigeration and Air Conditioning Railway Transportation Systems
- Environmental Techniques in Food Industry Advanced
- Mechatronics
- Robotic Systems

## WHO WE ARE

We are one of the largest and most important mechanical engineering faculties in Romania, currently including 72 faculty members, 1339 undergraduate and 532 graduate students.

## STRATEGIC OBJECTIVES

- Improve programme content to meet EU and labour market requirements
- Extend search for funded research grants and contracts
- Enhance partnership with the economic environment

## BENEFITS OF STUDYING WITH US

- Large variety of study options and academic degrees
- Involvement in significant scientific research and design
- Globally recognized degrees
- High employability due to solid professional knowledge and transferable skills
- Dynamic student organization and extracurricular activities

## POTENTIAL JOBS AND CAREERS

- Curricula aligned to industry requirements and highly-qualified faculty members with an open-door policy provide graduates with strong foundation for a wide spectrum of employment opportunities: engineer in automotive, mechanical, mechatronics and robotics fields; design or project engineer.

## TESTIMONIALS

"Are you passionate about automotive, technologies or innovating products? Do you want to know how future vehicles are designed? If YES, then this faculty is the right place for you!". **Andrei Rățoi**

"It's amazing how many doors this faculty has opened, both inside me and outside. I did not become just a mechatronics engineer, but a mechanical engineer with many skills". **Andrei Turcea**





# SCIENTIFIC RESEARCH AND INNOVATION

TUIASI has an important research and innovation dimension, with 24 accredited research/excellence centers and laboratories (out of which one is accredited by RENAR) focused on creating and transferring knowledge, especially in multi-disciplinary high-tech engineering areas. These centers/laboratories activate within national & international research grants or contracts with industry and governmental organizations, their activities and results placing TUIASI in the Romanian top of scientific research.

The constant focus on interdisciplinary research, on innovation and knowledge transfer, the quality of the research staff and their commitment to excellence provided a consistent dynamics of the research activities and visibility of TUIASI. The increasing trend observed in the number of published papers in ISI ranked journals/conference proceedings, books, national/international research grants, joint Ph.D. supervision programmes with well-known European universities contribute to the appreciation of our university as a successful research and innovation institution, able to provide proactive relationships with industry and public services, and as a contributor to regional and national development.

TUIASI has developed and supported two major research publications: Environmental Engineering and Management Journal (ISI ranked) and the Bulletin of the Polytechnic Institute of Iasi (published since 1946).

## KNOWLEDGE AND INNOVATION TRANSFER TO COMMUNITY – THE THIRD MISSION OF THE UNIVERSITY

- Research projects of specialized groups
- Educational projects of multidisciplinary groups
- Consultancy projects of individuals
- Preliminary studies for urban development
- Implementation of new technologies within the regional community
- Participation by individuals to the growth of the international dimension of the regional community

A woman with dark hair tied back, wearing a white sleeveless top and a black VR headset, is seated in a modern office. She is looking towards the right side of the frame. In the background, there are computer monitors and office furniture. The overall atmosphere is professional and tech-oriented.

## STRATEGIC OBJECTIVES

- Supporting, developing and recognizing the scientific research activity developed to increase the visibility of TUIASI at the national, European and global level;
- Increasing TUIASI's competitiveness in the national and European research area by promoting excellence and by stimulating participation in national and international competitions;
- Developing, supporting and stimulating human resources;
- Sustaining the recognition of scientific performances by awarding Prizes for Excellence in scientific research at TUIASI level;
- Improving and enhancing research infrastructure to support high-performance research activities with national and international visibility;
- Enhancing the role of TUIASI in proposing and developing regional and national policies, taking an active role in the economic and social development at the local, regional, national and international level;
- Supporting research, development and innovation activities by increasing the performance of the research / excellence centres within TUIASI, developing structures for RDI projects' management and assuring the successful technological transfer.

### Facts and figures – Research contracts:

- 293 research contracts won in national competitions, out of which - 216 research grants as coordinator and 77 grants as partners;
- 25 grants won in international competitions;
- 461 research contracts awarded based on the industry applications and contracts with companies.

### Facts and figures – Dissemination of research results:

- more than 1300 articles in ISI-ranked journals;
- 1038 papers published in journals indexed in international databases (BDI);
- 582 books and book chapters published;
- 57 international and national patents granted (OSIM)
- 159 patent applications, out of which 3 are international.

(\*data available on November 2021)





# TUIASI Doctoral and PostDoctoral Programmes

The three years allocated for the PhD can be extended, upon request, up to four years, to defend the thesis. One has the following options to pursue doctoral studies at "Gheorghe Asachi" Technical University of Iasi:

- Full-time learning, with scholarship
- Full-time learning, without scholarship and no tuition fee
- Full-time learning, without scholarship, with a tuition fee
- Part-time learning, without scholarship and no tuition fee
- Part-time learning – with a tuition fee

The doctoral studies represent the third stage of university studies, which can be attended after graduation from the Bachelor's and Master's studies. "Gheorghe Asachi" Technical University of Iasi organizes doctoral studies in engineering sciences and exact sciences; there are thirteen doctoral fields within the following faculties:

- ♦ **Faculty of Automatic Control and Computer Engineering:** Systems Engineering (SE), Computer Science and Information Technology (CSIT)
- ♦ **«Cristofor Simionescu» Faculty of Chemical Engineering and Environmental Protection:** Chemical Engineering, Chemistry, Environmental Engineering
- ♦ **Faculty of Civil Engineering and Building Services:** Civil Engineering and Building Services
- ♦ **Faculty of Electrical Engineering:** Electrical Engineering and Power Engineering
- ♦ **Faculty of Electronics, Telecommunications and Information Technology:** Electronics, Telecommunications and Information Technology
- ♦ **Faculty of Industrial Design and Business Management:** Industrial Engineering, Engineering and Management, Chemical Engineering
- ♦ **Faculty of Machine Manufacturing and Industrial Management:** Industrial Engineering, Mechanical Engineering
- ♦ **Faculty of Materials Science and Engineering:** Materials Engineering
- ♦ **Faculty of Mechanical Engineering:** Mechanical Engineering / Materials Engineering

## Why enroll in a doctorate?

- to further yourself in the area you have chosen to study;
- to be able to pursue a teaching career in higher education (you can take the first steps even during your doctoral studies);
- to have your research supported by the best specialists in the field and to have access to an adequate working environment;
- to have the opportunity to participate in the study programme organized in partnership with other universities from Romania and the EU;
- to contribute to the technological, economic and social environment;
- to have access to internships and scholarships in research centers and companies, which can turn into employers even during your PhD;
- to benefit from a period of study abroad, in order to obtain a double qualification;
- to have a significant advantage on the labour market.

Postdoctoral research programmes can be funded from TUIASI's own revenues, internal grants, research projects with national or international funding, economic agents, etc. The postdoctoral research programmes are organized within the Institution Organizing Doctoral Studies TUIASI and are awarded after a contest organized at the level of the Doctoral School, depending on the nature of the funding.





# TUIASI TRAINS STUDENTS FOR SUCCESS

*An excellent start for a successful future career with a degree from TUIASI*

Attending TUIASI academic programmes is a unique opportunity for students to build a foundation for a promising career in engineering or architecture, in one of our 11 faculties, 24 research and excellence centres, Polytech Centre for Technological Transfer and 1 accredited research laboratory.



*Open doors to careers where you earn more*

TUIASI trains experts who will have the knowledge and skills required to work in the fast-moving fields of engineering and architecture.

We are located in the city of Iași, **Romania's Youth Capital** (2019-2020), city awarded in **the Digital Cities Challenge** (2017), **Intelligent Cities Challenge** (2020). Iași is a developing IT and services market; an emerging digital Automotive Hub in Europe with important players in the automotive and production sector; a place offering many opportunities that stimulate and foster innovation and growth.

*An international university with more than 690 Erasmus+ and academic agreements*

TUIASI is a Romanian university with international diversity, having over 1500 foreign students of different nationalities and +690 international agreements, giving access to international mobilities and also to the latest channels to exchange knowledge and research.





### *Great learning facilities*

TUIASI trains the next generation of engineers and architects and has invested in the last years in networks of didactic laboratories, in learning rooms and creative centres and hubs for students.

Our students have access to state-of-the-art equipment, high-performance computers and network of laboratories.

The newest learning rooms in the residence halls are equipped with touch screen digital whiteboards, modern and ergonomic furniture while a free wireless coverage on the campus is available to students on user base.

TUIASI Library is recognised as one of the most beautiful libraries in the world and integrates new technology into traditional learning and research.

### *Student associations – the second family*

At TUIASI there are 13 leagues and student associations who help students discover beautiful people, create connections and find their place in a true second family, making beautiful memories together.

### *Professional entrepreneurship programmes*

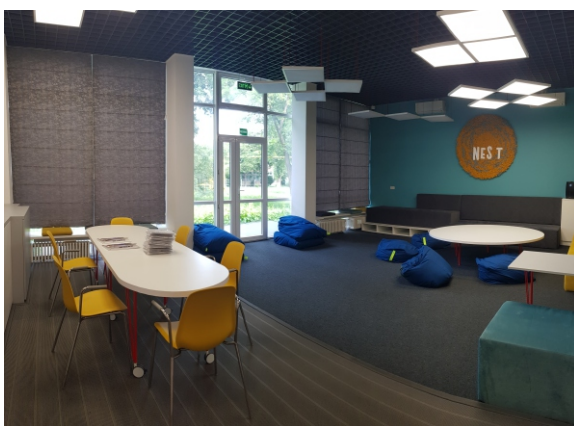
We encourage entrepreneurship and facilitate it by undergraduate and post-graduate academic programmes dedicated to our students, by offering the curricula and facilities to create new generations of engineers entrepreneurs with strong economic and design thinking skills.

Our University plays a crucial role in underpinning innovation and entrepreneurial activities, by providing extra-curricular activities and mentors who foster our students' ideas within the frame of TUIASI Student Entrepreneurial Society.



# LIVE the campus experience

TUIASI students choose to live on 'Tudor Vladimirescu', a campus that's like a small city within the city. Everything a student needs can be found on campus: a canteen with great and incredibly cheap food, a modern gym, playing fields, cafés, bars, clubs! The dorms are within walking distance from Iulius Mall (shops, restaurants, 3D cinema, etc.) and from the newest business and shopping centre of the city, Palas.



**CREATIVE NEST** Hub was designed for networking and international activities. All TUIASI international students have the opportunity to explore here the huge potential of international diversity and to enrich their student life by exchanging experiences, ideas and initiatives with their fellow students.

The Learning Centre, located on the ground floor of the residence halls T5 and T6, is a state-of-the-art centre, equipped with intelligent and interactive boards, work stations and furniture meant to encourage both team teaching, and individual counselling meetings.



At "Gheorghe Asachi" Technical University we encourage the students to live a healthy life by practicing sports; therefore, we provide them with a complex sports base, made of 6 outdoor fields and a fitness hall, an aerobics hall, a strength training hall and a team sports hall – for football, volleyball, basketball, tennis.



# TUDOR VLADIMIRESCU

"Tudor Vladimirescu" is one of the biggest university campuses in Romania; it is always bustling, it has a certain feel to it, and it is the heart of the student life in Iasi, a quality acknowledged even by the students of the other universities of Moldova's capital city.



There are 21 halls of residence on the campus, with the lowest accommodation fees in the country and their own laundry facilities serving students free of charge.

In order to guarantee the students' security, the campus is monitored by a high-performance surveillance system with 105 cameras.

The campus benefits from state-of-the-art thermal equipment and a big number of residence halls were renovated.

All rooms have free internet access and TV cable. Also, every residence hall has its own study room.





## Contact Us

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[www.tuiasi.ro](http://www.tuiasi.ro)

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