IP TEACHING IN UNIVERSITIES
How to attract academics at all levels

Prof. Niculae Eugen SEGHEDIN PhD. Eng.
Mircea FRUNZA PhD. Eng.

"Gheorghe Asachi" Technical University of Iaşi
National Inventions Institute
Regional Centre for Promoting the Intellectual Property Protection
- PATLIB Iaşi, Romania

BACKGROUND

"Ah! What a corrupt society! There is no moral, there are no principles, there's nothing, interest and the interest ... Well said my son from school the other day in a letter, see, young but mature, serious boy! He says:

Where it is no moral, there is corruption and a society without principles, it will say it does not longer exist!"

I.L. Caragiale, "A Lost Letter", Act I, Scene III, 1884
"Gheorghe Asachi" Technical University of Iași

The environment in which we have made and create, allowed us to realize and tell a structural strategy to promote and attract academics through Intellectual Property.

First high school of Inventics 1960
Birth in the academic environment of Technical University "Gheorghe Asachi" School of Inventics - science, with methods, techniques and procedures for stimulating the technical creation.

National Inventics Institute 1991
Creating the National Institute of Inventions with structured laboratories for developing creativity. Training of trainers.

CRPPPI - PATLIB Iași – 2001 – 2017
Created by the Protocol INI – OSIM as PATLIB center, Certification as industrial property consultation and promoting center Approach advanced consulting services using EPO databases and other programs InfoSTAR, IPscore, TriSolver.

Develop and create new activities stimulated by PATLIB project Challenges for the Future.
Academic Network Environment

- Technical University “Gheorghe Asachi”
  - Mechanical engineering
  - Automation
  - Civil and industrial engineering
  - Electronics, Telecommunication and Information Technology
  - Material science

- University of Agricultural Sciences and Veterinary Medicine
  - Agriculture and Veterinary Medicine

- National Research Institutes
  - Mechanical engineering
  - Automation, Electronics, Telecommunication
  - Civil and industrial engineering
  - Material science
  - Chemistry, physics, biology

- University “A. I. Cuza”
  - Physics
  - Chemistry
  - Philosophy
  - Biology
  - Economy and Project Management

- Journal of Inventics
- PERFORMANTICA
- INVENTICA Work shop – invention Fair
- INVENTICA
- GPI
- Espacenet
- Patstat
- Patentscope
- Depatnent
- National databases

Academic Target

BACHELOR DEGREE
MASTER DEGREE
DOCTORAL STUDIES

DOCTORAL STUDIES TUTORS
INVENTION SCHOOL

Introduction

For more than 40 years, since establishing the foundation of the School of Inventics, now a true brand of Iasi, “Gheorghe Asachi” Technical University of Iasi (TUIASI) is dedicated to make innovation the institution’s creed, as well as an engine meant to drive the creative spirit of its researchers, professors and students alike.

True to its role of higher education and research university, it develops specific activities of creation and innovative capitalization of knowledge. As proof, the university is among the top places in the national classification of patent submission and patent granting.

We believe is that the technical universities must focus their educational activity on originality and innovation, granting its future graduates the conscience of intellectual propriety, not only standard technical skills.

Thus, for 35 years, the University is concerned about developing creativity and intellectual propriety through its dedicated courses. This was first initiated by the professor Vitalie Belousov, from the Machines, Gears and Tools Department, now part of the Faculty of Machine Manufacturing and Industrial Management. The culture of creativity generated over 740 students’ patents for the last ten years, out of 1204 patent submissions.

PATLIB IASI an Intellectual Propriety Office

Offering specific advice to scientific research community members in order to help them protect their creations and increase the purchasing of patents by industrial companies.

• In this aspect, the university became involved in writing The European Manual for Intellectual Propriety, to which nine specialists from outstanding worldwide universities have contributed.

• TUIASI is also offering financial support for patent registering and simplifying administrative procedures.

• As signatory of Magna Charta Universitatum of Bologna, TUIASI is operating according to its principles and fundamental regulations, being aware of “the necessity to permanently adapt to the requirements of change, to the requirements of the society and to the scientific knowledge progress”.

• Aspiring to be a renowned technical university, not only on the national level, but in European higher education and research as well, TUIASI is an institution manifesting its creed that quality culture is indissolubly connected to creativity culture, and thus encouraging academic innovation in all its aspects.
BACHELOR DEGREE

Academic and engineering Ethics and Creativity (IP) Courses

• The theory of scientifically creation
• Engineering and Development
• Ethics and Research
  • Basic Search in the International Patent Databases, Espacenet and Patentscope
  • Basic Search in the Non Patent International Literature
  • Basics of Industrial Propriety, Patents, Utility Models and Designs
  • Basics of trademark protection
  • Intellectual Propriety and Copyright

MASTER DEGREE

Ethics of Academic Research and Creativity (IP) Courses

• Advanced Engineering and Industrial Development
• Ethics and Research
  • Advanced Search in the International Patent Databases, Espacenet and Patentscope
  • Advanced Search in the Non Patent International Literature
  • Intellectual Propriety and Copyright – Rules for publishing in the ISI indexed publications and other scientifically articles.
DOCTORAL DEGREE

Ethics of Scientific Research

• Science and Research, Engineering and Industrial Development
• Ethics and Intellectual Property
  • Advanced Search in the International Patent Databases, Espacenet, Patentscope and Depatisnet.
  • Advanced Search in the Non Patent International Literature
  • Industrial Propriety and Copyright – Patent Granting and Rules for publishing the ISI indexed publications and other scientifically articles.

DOCTORAL STUDIES TUTORS

Academic Ethics and IP Training
(Train the Trainers Programme)

• Ethics and Intellectual Property Upgrades and News
  • Academic Ethics
  • International Patent Databases, Espacenet, Patentscope and Depatisnet
  • Non Patent International Literature
  • Industrial Propriety and Copyright
Rising the quality level of trainings

Rising the level of expertise

- Classroom and Online Courses
- Quality of infrastructure

Refined paths to resolve IP projects

HQ
Rapports and Projects
HOW TO ATTRACT STUDENTS TO IP COURSES

Ethics for Researchers
Facilitating Research Excellence - EC

Law no. 206/2004 on good conduct in scientific research, technological development and innovation

Courses of ethics and academic integrity for master’s and doctoral studies become mandatory, starting with the academic year 2018 – 2019

HOW TO ATTRACT STUDENTS TO IP COURSES

• Local, National and International Contests with prizes

• Digilent Design Contest Europe
• National Contest Agronomiada
• National Prices Carpatcement
• Microcontrollers Contest
• Electro Mobility
• Microcontrollers & Applications – Mihail Konteschweller
• ZSE – Day of electronics students
• Bridges from Spaghetti
• The best innovative project
• Creativity and Technology "Stefan Procopiu" Contest
• "Acad. Cristofor Simionescu" Contest
• IVENTICA 2018
HOW TO ATTRACT STUDENTS TO IP

Local, National Student Publications

• PERFORMANTICA
• INFORMIS
• Politechnical Life
• Science and Technics
• INVENTICA Magazine
• PoliTech
• Yearbook of Academic Performance Students College
• Free access to the international publications as Thomson, DeGruyter,
• Student Revue
• Smart Student
• “Buletinul Institutului Politehnic Iași”
• Excellence awards for education

Involving in A-Z of an exhibition from initial planning to post event follow-up

• Expositions of inventions?
• Research, Innovation and Technological Transfer?
• Free participation to other traditional inventions events in the University Stand?
Free printing support and promotional tools for inventions to exhibitions:

- Print flyers for first announcement, the second and beyond.
- Print flyer ...
- Invitations
- Written materials, transcribing speeches
- Print Catalog / brochures for exhibitions
- Production and exhibition banners
- Advertising and media planning
- Achievement, event web site
- Broadcast live audio and video over the Internet

IP TEACHING IN UNIVERSITIES
How to attract academics at all levels

Certificates for IP trainings at every academic level
< 1000 Euro National Prizes for a Granted Patent from the Ministry of Research and Development

Thank You