

## Welcome to National Polytechnic University of Armenia



*Yerevan - December, 2016*

**National Polytechnic University of Armenia is the legal successor of Yerevan Polytechnic Institute: one of the leading engineering schools of the former Soviet Union**



## **The Mission of the University is:**

- to create and implement academic/research programs and services consonant with educational and technological needs of the national economy and society,
- to prepare students for life, career, life-long learning and professional progress in line with changing economic environment and emerging global information society,
- to create a supportive environment for the comprehensive personal and intellectual development of each individual, generation of law-abiding and responsible citizens.

## **The University at a glance - 1**

**Yerevan Polytechnic Institute (YPI) was founded in 1933 having only 2 departments and 107 students.**

**In 1980-1985 reached its peak with about 25000 students and more than 66 majors, becoming the largest higher education institution in Armenia.**

**On November 29, 1991, the Yerevan Polytechnic Institute was reorganized and renamed State Engineering University of Armenia (SEUA).**

**On November 13, 2014, the State Engineering University of Armenia was reorganized and renamed National Polytechnic University of Armenia (NPUA).**

## The University at a glance - 2

The Central Campus of the University is located in Yerevan and the 3 Branch Campuses - in Gyumri, Vanadzor and Kapan.

The University has affiliated high schools in Yerevan and Regional Campuses, aimed at recruiting future gifted students from schools.

4 study programs of vocational and higher education, conferring the qualification degrees of junior diploma specialist, bachelor, master and researcher (PhD).

The University also offers extended education courses by means of its faculties and a network of continuing education structures.

47 Bachelor's, 58 Master's and 34 Researcher's (PhD) programs in Engineering, Industrial Economics and Management, Applied Mathematics and Physics.

## The University at a glance - 3

At present over 10 thousand students following 4 degree programs, more than 100 foreign students studying in English and Armenian language groups.

In addition, over 850 learners at the NPUA central and regional affiliated high schools.

The academic staff of the University exceeds 800, most of them with Doctoral Degrees.

With its developed research system and infrastructure the University is nationally recognized as the leading center in technical sciences and technologies.

## The University at a glance - 4

**The University has one of the leading roles in the reformations of the higher education system of Armenia:**

- SEUA was the first HEI in RA that introduced two (in 1993) and then three (in 1995) levels of higher & post-higher education,
- implemented a credit system (in 2004) compatible with ECTS in harmony with the Bologna Process developments,
- introduced the institute of long-term strategic planning.

**During the last decade, the University has developed an extended network of international cooperation including many leading EU universities and research centers; NPUA is full member of EUA.**

## International Activity of NPUA

**The University is a member of:**

**European Universities Association (EUA),  
Black Sea Universities Network (BSUN),  
Technical Universities Association of RF (ATY),  
Network University of CIS countries (CY CHГ), etc.**

**was and is involved in:**

**many European and other international research and educational programs (TACIS, Tempus, Erasmus-Mundus, Erasmus+, DAAD, OSF, INTAS, USAID, NATO Science, FP, Horizon 2020 etc.).**

**NPUA has successfully implemented about 20 TEMPUS projects in the areas of university management, educational reforms, curricular renovation and strategic planning; at present: on-going 7 Tempus, 2 Erasmus Mundus, 4 Erasmus+ KA2, and 8 Erasmus+ KA1 projects.**

## NPUA Institutes and Faculties (Central Campus)

- Institute of Energy and Electrical Engineering
- Institute of Mechanics, Machine Building, Transportation Systems and Design

### Faculties of:

- Chemical Technologies and Environmental Engineering
- Radio Engineering and Communication Systems
- Computer Systems and Informatics
- Applied Mathematics and Physics
- Cybernetics
- Mining and Metallurgy
- Correspondence Education
- Foreign Students



Republic of Armenia (independent since 1991)

## NPUA Regional Branches



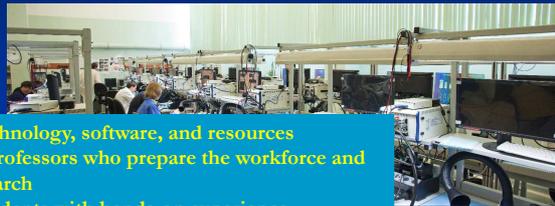
## The main strengths of NPUA (Polytechnic)

- NPUA (former Yerevan Polytechnic Institute/SEUA) is the indisputable leader in technical education of RA
- During 83 years since its establishment NPUA has given more than 125,000 graduates
- The graduates have formed RA's
  - main engineering manpower
  - scientific technical community
  - industrial leadership



## University-Industry Cooperation aimed

at:



- Providing technology, software, and resources
- Supporting professors who prepare the workforce and conduct research
- Providing students with hands-on experience
- Enabling graduates to bring skills to the fast-paced world of high technologies
- Ensuring the workforce is fully prepared to meet the challenges of the future



## Some University-Industry Cooperation Programs

NPUA-Synopsys: NPUA Inter-Faculty Chair of  
Microelectronics Circuits and Systems

NPUA-National Instruments: "ANEL" Project  
(Armenian National Engineering Laboratories at NPUA)

NPUA-Microsoft: Regional Innovation Center of  
Microsoft and Microsoft IT Academy of NPUA

NPUA-Cisco Systems: Cisco Academy of NPUA

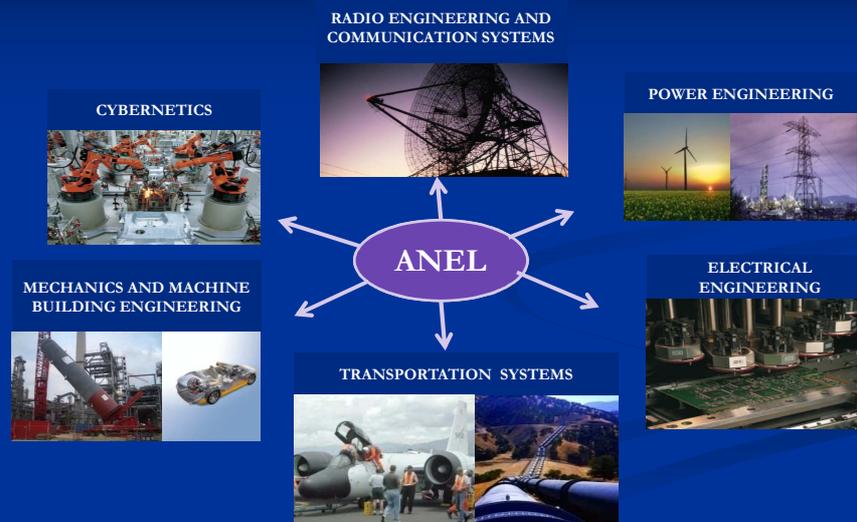
NPUA-Cronimet Mining: IT-Mining Laboratory in NPUA

NPUA-Impex High-Tech: Training courses of NPUA

NPUA-Nokia: Mobile Solutions Laboratories of NPUA

## Innovation Center **ANEL** Armenian National Engineering Laboratories

About 30 specialized and universal educational and research laboratories  
covering 6 major professional fields taught at NPUA.



## Some Educational and Research Laboratories of ANEL

In these labs students get to learn the fundamental engineering disciplines in an interactive way using modern learning methodologies such as hands-on learning and project-based learning.



## Education, Research, Creation in Innovative Environment



## Innovative Solutions the Result of Student Creativeness

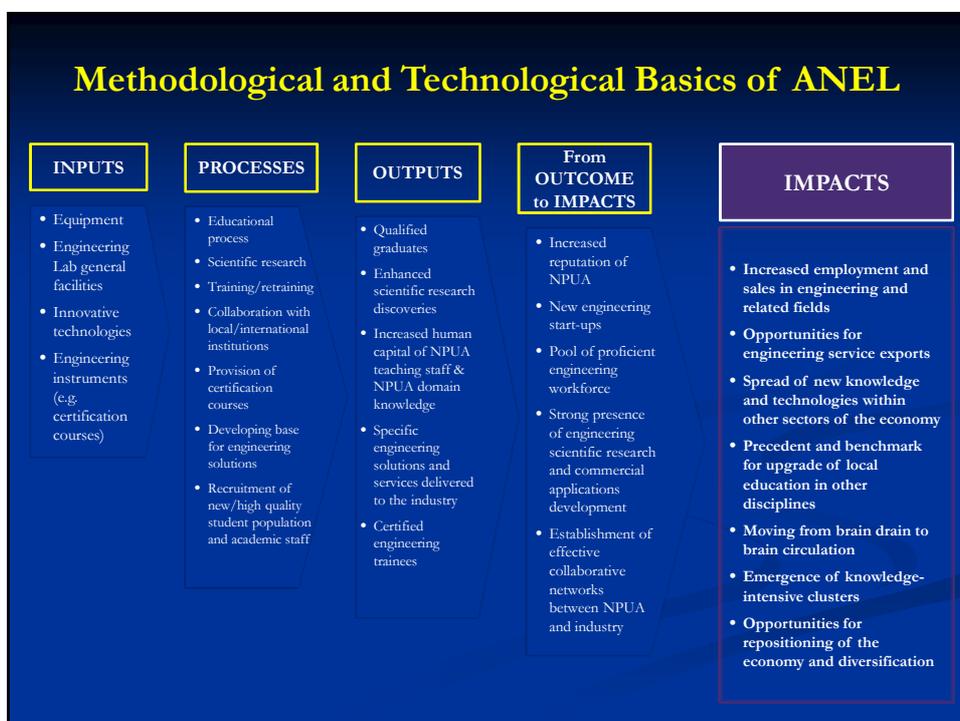


## Innovative Students: "Digitech-2016" International EXPO





## Some Successfully Established Start-ups





Thank you for visiting Armenia  
and the National Polytechnic  
University of Armenia