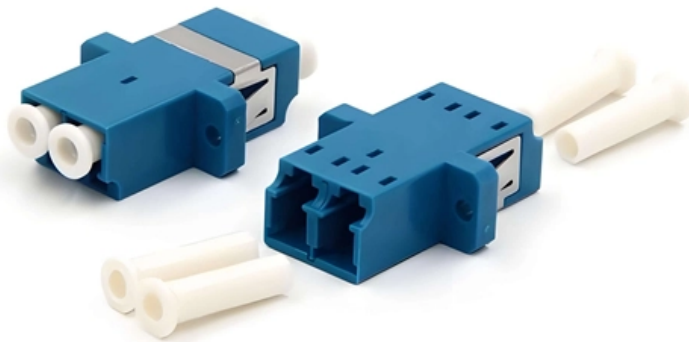


# **Armenian Polytechnic University Fiber Optic Sensing**





## Armenian Polytechnic University Fiber Optic Sensing

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### Laboratory for remote sensing of the Earth to operate at YSU

Decoding of space photos and aerial photos will be implemented at YSU while studying water and land resource management, climate change and natural disaster risk assessment.

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### National Polytechnic University of Armenia

The National Polytechnic University of Armenia (Armenian: Հայաստանի Կառնային Պոլիտեխնիկական Արհեստագիտական Ազգային Միջնակարգ Վարժարան) is a technical university located in Yerevan,

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## **RUSSIAN-ARMENIAN UNIVERSITY (RAU) Engineering and Physics**

Laboratories in Optics Research in advanced optical experiments relevant to contemporary research. Students will conduct laboratory work involving laser systems, interferometry, spectroscopy, optical

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## **Polytechnic**

National polytechnic university of Armenia is the legal successor of K.Marx Yerevan Polytechnic Institute (YPI) and State engineering university of Armenia

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## **The Polytechnic University announces admission at full-time post**

National Polytechnic University of Armenia, according to regulations of "Admission and studies at post-graduate studies, application to doctoral studies of the Republic of



Armenia" (decree

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## **Armenia's Polytechnic University opens an aerial robotics center**

50 Global Armenians: Naira Hovakimyan A similar center operates in the Intelligent Robotics Lab at Illinois University and is headed by an Armenian expert, Professor Naira

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## **NATIONAL POLYTECHNIC UNIVERSITY OF ARMENIA**

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## **A review of fiber optic sensing in geomechanical applications at**

FOS enables distributed measurement in laboratory and field monitoring. FOS applications in geomechanics across sectors and research environments are reviewed. Sensing types and fiber

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## **A review of fiber optic sensing in geomechanical applications at**

The application of fiber optic sensing (FOS) in geomechanics has seen a significant rise, both in laboratory and field settings, showing a broader trend of integrating advanced sensing

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## **Polytechnic**

The delegation of the National Polytechnic University of Armenia is currently participating in an international training program organized by the CIFAL Shanghai International Training Center in

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## **T.M. KNYAZYAN , Associate Professor , PhD**

The paper is devoted to the wavelength-scale electromagnetic modelling of stop-band multilayer optical filters protecting from harmful high-intensity laser radiation

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## **FIBER OPTIC NETWORKS**

Fiber optic networks are very sensitive to environmental influences. Contamination and mechanical stress arising from improper handling of fiber

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## **National Polytechnic University of Armenia**

The National Polytechnic University of Armenia was originally established in 1933 as the Karl Marx Yerevan Polytechnic Institute. When it was first established the institute had just two departments

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## **National Polytechnic University of Armenia: Rankings**

Engineering rankings The National Polytechnic University of Armenia ranked 2nd for



Engineering in Armenia and 3981st in the World with 1,158 publications made and 5,108 citations

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## **Hayastani Azgayin Polytekhnikakan Hamalsaran**

National Polytechnic University of Armenia, the legal successor of Yerevan Polytechnic Institute (YerPI) was founded in 1933. In 1991, YerPI was reorganized into State Engineering

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## **High Temperature High Bandwidth Fiber Optic Pressure Sensors**

Fiber optic pressure sensors have been developed for years and proved themselves successfully in such harsh environments. Especially, diaphragm based fiber optic pressure sensors

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## **Polytechnic**

News The delegation of the National Polytechnic University of Armenia is currently participating in an international training program organized by the CIFAL

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## **Optical Fiber Sensors: Working Principle, Applications,**

Brief theory of sensing principle, fabrication method, applications, advantages and disadvantages of the different fiber-optic sensors, are addressed.

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## **Shushanik ASMARYAN , Head of Department , PhD**

Armenia is no exception, and addressing this issue requires comprehensive studies combining traditional methods with remote sensing technologies.



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## **National Polytechnic University of Armenia**

National Polytechnic University of Armenia. 34,572 likes · 2,170 talking about this. Here you can find information about the structure and activities of the university.

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## **National Polytechnic University of Armenia: Statistics**

The National Polytechnic University of Armenia has enrollment - 11,000, founded in 1933. Main academic topics: Engineering, Physics, and Chemistry.

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**Kun ZHU , Research Fellow , PhD , The Hong Kong**



Distributed acoustic sensing (DAS) is an attractive technology that can turn existing fibre optic networks to real-time distributed vibration sensors.

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## **Applications of Lasers for Sensing and Free Space Communications**

2025 Siegman International School on Lasers 28 July - 01 August 2025 Yerevan State University Yerevan, ARMENIA The Siegman International School is a week-long program that

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## **Fiber optic network design and installation - Melinet**

With channel lengths of more than 100 meters, the only possible choice for high-speed information applications is the choice of fiber optic lines, as twisted pair

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## **Prof. Haihong Bao**

Prof. Haihong Bao, The Hong Kong Polytechnic University - Cited by 892 - Fiber-optic sensing - Laser spectroscopy - Gas sensing - Distributed sensing

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## **Faculty**

The institute was renamed to State engineering university of Armenia. In 1992, the new three-cycle system of specialized education was introduced and all three chairs merged into the department of

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## **Fiber Optics Communication Laboratory (SEUA)**



The Laboratory is equipped with 3 PC-IBM computers, which are connected to the local network of SEUA. The Laboratory is unique in Armenia, where graduate and postgraduate students are taught

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