

Ashkhen Edvardi Yesayan

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Research Institute of Physics

Laboratory of Nanoplasmonics

Senior researcher

Education

Institution	Yerevan State University
Faculty	Faculty of Radiophysics
Date	1989 - 1994
Degree name	Qualified specialist

Scientific Rank/degree

Institution	Yerevan State University
Date	2005
Degree name	Candidate
Specialty	Physico-mathematical sciences
Scientific Supervisor	Prof. Stepan Petrosyan
Research Topic	Contact Phenomena in Low-dDimensional Systems

Language skills

English Русский

Work experience

Institution	Institute of Radiophysics and Electronics
Period of time	2011 - 2023
Rank/degree	Senior researcher, Scientific secretary

Institution	University of Strasbourg
Period of time	2009 - 2011
Rank/degree	Scientific researcher/Postdoc

Institution	University of Pisa
Period of time	2007 - 2008
Rank/degree	Scientific researcher/Postdoc

Scientific interests

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- Semiconductor device physics, 2D systems, MOSFET/ FinFET, junctionless FET, Nanowires (NW), NW FET, NW ISFET, Photonics, Nanoplasmonics
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Participation in international conferences and seminars

07/01/2019 - 30/06/2019 scientific visit
École polytechnique fédérale de Lausanne (EPFL)
Switzerland

Membership

Institution International Journal of High Speed Electronics and Systems, Editorial Board member
Period of time 2020 till now

Institution IEEE & EDS membership
Period of time 2017 till now

Publications

Article

Sensitivity Analysis of Nanowire FET Biosensor

A. Yesayan

Armenian Journal of Physics 2022 171-174

Article

Verilog_A Implementation of Nanowire Junctionless ISFET Compact Model and Read-out Circuit Design

A. E. YESAYAN, N. D. YEZAKYAN, J-M. SALLESE

ՀՀ ԳԱԱ և ՀԱՊՀ տեղեկագիր տեխնիկական գիտությունների սերիա 2022 398-406

Article

GRAPHITE-INSULATOR-METAL BASED METAMATERIAL ABSORBER AT X-BAND

D. Hambaryan, L. Gevorgyan, H. Parsamyan, A. Yesayan, H. Haroyan, Kh. Nerkararyan

IEEE Xplore 2022 15-17

Article

Nanowire Array Solar Cells

Ashkhen Yesayan, Varsenik Khachatryan, Stepan Petrosyan

IEEE Latin America Electron Devices Conference 2022 2022 1-4
