

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
