

Artak Ara Avetisyan

Research Institute of Physics
Laboratory of Solid State Physics
Senior researcher

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Education

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| Institution | Yerevan State University |
| Faculty | Physics |
| Date | 1997 - 2000 |
| Degree name | PhD student |

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| Institution | Yerevan State University |
| Faculty | Physics |
| Date | 1992 - 1997 |
| Degree name | Qualified specialist |

Scientific Rank/degree

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| Institution | Yerevan State University |
| Date | 2000 |
| Degree name | Candidate |
| Specialty | Physico-mathematical sciences |
| Scientific Supervisor | Kazaryan Eduard Mushegh |
| Research Topic | The influence of nonparabolicity on impurity states |

Language skills

Հայերեն Русский English Ελληνικά Deutsch

Work experience

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| Institution | Yerevan State University |
| Period of time | 2010 till now |
| Rank/degree | Senior Researcher |

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| Institution | Antwerp University |
| Period of time | 2008 - 2010 |
| Rank/degree | researcher |

Institution Yerevan State University
Period of time 2005 - 2008
Rank/degree researcher

Institution Cyprus University
Period of time 2003 - 2005
Rank/degree researcher

Institution Yerevan State University
Period of time 2002 - 2003
Rank/degree researcher

Institution Bremen University
Period of time 2001 - 2002
Rank/degree researcher

Institution Yerevan State University
Period of time 1998 - 2001
Rank/degree researcher

Scientific interests

- Physics of condensed matter
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Participation in international conferences and seminars

15/09/2023 - laser physics
20/09/2023 IRF
Armenia

Other information

Graduated from Yerevan State University in 1997.

Publications

Article

Coulomb Interaction in Graphene Systems

A. A. Avetisyan, A. P. Djotyan

Physics of Particles and Nuclei 2023 997-1001

Article

Impurity states in gated graphene systems in a magnetic field

A. A. Avetisyan, A. P. Djotyan

International Conference on Microwave & THz Technologies, Wireless Communications and OptoElectronics (IRPhE 2022)
2023 46-48

Article

Interaction of Electromagnetic Field with Gated Graphene Bilayer

A. P. Djotyan, A. A. Avetisyan, K. Mouloupoulos

Armenian Journal of Physics 2019 33-39

Article

Impurity States in Gated Graphene Bilayer in a Magnetic Field

A.A. Avetisyan, A.P. Djotyan

Armenian Journal of Physics 2019 248-253

Article

Tunable Excitons in Bilayer Graphene with Opened Energy Gap

A. A. Avetisyan, A. P. Djotyan, K. Mouloupoulos

Physics of Atomic Nuclei 2018 799-803

Article

Nonlinear Properties of Gated Graphene in a Strong Electromagnetic Field

A.P. Djotyan, A.A.Avetisyan, K.Mouloupoulos

Physics of Atomic Nuclei 2017 307-314

<http://link.springer.com/journal/11450>

Article

EXCITONIC ABSORPTION IN GAPPED GRAPHENE SYSTEMS

A.P.Djotyan, A.A.Avetisyan

Proceedings of the YSU. Physical and Mathematical Sciences 2017 93-96

<http://www.ysu.am/science/en/journals>

Article

Tunable excitons in gated graphene systems

A.A. Avetisyan, A.A.Djotyan, K.Mouloupoulos

Proceedings of SPIE-Progress in Biomedical Optics and Imaging 2017 1-11

<http://spie.org/publications/conference-proceedings>

Conference

**COHERENT RESPONSE OF MULTILAYER GRAPHENE SYSTEMS TO LASER RADIATION:
NONLINEAR EFFECTS AND MANY ELECTRON CORRELATIONS**

Artak Avetisyan, Djotyan Anahit

Conference

Nonlinear optical properties of gated graphene systems

Artak Avetisyan, Djotyan Anahit

Conference

Excitonic absorption in gated graphene systems

Artak A. Avetisyan, Anahit P. Djotyan, Konstantinos Mouloupoulos

Conference

Tunable excitonic absorption in gapped graphene systems

A. Avetisyan, A. Djotyan, K. Mouloupoulos

Conference

Nonlinear response and tunable excitonic absorption in gapped graphene systems

Konstantinos Mouloupoulos, Artak A. Avetisyan, Anahit P. Djotyan
