

Curriculum vitae

Erman OKDUYGULULAR



Contact information

Faculty of Science, Physics Department
Istanbul Universty, Vezneciler, Fatih, 34134 Istanbul, TURKEY

Phone: +90 212 455 57 00 [Ext. 15428]

ermancok@gmail.com

<http://nano-optoelectronics.org>

Degrees

2018 - Ph.D. Physics, Istanbul University, Istanbul, Turkey

2013 - 2017 MSc. Physics, Istanbul University, Istanbul, Turkey

Thesis Entitled "Electronic Transport in III-N-V and III-Bi-V Semiconductor Alloys"
[Supervised by Prof. Ayse Erol]

2009 - 2013 BSc. Physics, Istanbul University, Istanbul, Turkey

Employment

2017 - 2018 Instructor, Turkish Air Force Academy

2013 - 2014 Student Assistant, High Magnetic Field & Low Temperature Laboratory,
Department of Physics, Istanbul University

2013 Intern, PAN Logistics

Scholarly activities

2017 33th Turkish Physics Society International Physics Congress, Mugla, Turkey

2016 32th Turkish Physics Society International Physics Congress, Mugla, Turkey

2016 DualBeam Scios Course - FEI, Eindhoven, Holland

2013 Member of Local Organizing Committee, COST Action MP0805 "Novel Gain
Materials and Devices Based on III-V-N/Bi Compounds", Istanbul, Turkey

Research Areas

Low dimensional semiconductors, Optoelectronic Devices, Nano technology and Nano
Fabrication, Magneto-transport properties in low dimensional semiconductors

Membership of Professional Society

Turkish Physics Society

Computer skills

MS Office programs, OriginPro, MatLab, Mathematica, Fortran, Python, Ubuntu, LabView

Publications

SCI Papers

Cetinkaya C., **Cokduygulular E.**, Nutku F., Donmez O., Puustinen J., Erol A., Guina M., “A comprehensive study on optical characterisation of n- and p-type modulation doped GaAsBi/AlGaAs quantum well structures”, JOURNAL OF ALLOYS AND COMPOUNDS, 2018

Nutku F., Donmez O., **Cokduygulular E.**, Sarcan F., Kuruoglu F., Mutlu S., Yildirim S., Erol A., “Effect of thermal annealing and nitrogen composition on quantum transport in GalnNAs alloy based modulation doped quantum well structures”, JOURNAL OF ALLOYS AND COMPOUNDS, 695, 404–409, 2017

Conference Publications

Oral Presentations

Nutku F., Donmez O., **Cokduygulular E.**, Sarcan F., Kuruoglu F., Mutlu S., Yildirim S., Erol A., “Investigation of electronic transport properties in GalnNAs/GaAs quantum well structures”, Turkish Physical Society 31th International Physics Congress, 2016, Bodrum, Turkey