

CV

1. Name: Özge Kılıçoğlu

2. Contact

Address : Mimar Sinan Mh. Selman-i Pak Cd. ZIP: 34664 Uskudar / Istanbul.

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3. Title: Ph. D.

4. Education:

Degree	Area	University	Year
Undergraduate	Physics	Trakya University	2006
Graduate	Condensed Matter Physics	Trakya University	2008
PhD	Condensed Matter Physics	Physics, Trakya University	2013

5. Academic Titles: Lab Assistant- Isık University (2012-2015)

Researcher-Isık University (2015-2017)

Lecturer - Uskudar University (2017--)

6. MSc and PhD Thesis

6.1. Master The Electronic Properties of Quantum Dots Under The Electric and Magnetic Field

6.2. PhD Theoretical Investigation of The Effects of Aharonov-Bohm and Coulomb Blockade on Two Dimensional Electron Systems

7. Publications

7.1. Articles published in international refereed journals (SCI & SSCI & Arts and Humanities)

1. "Screening model of metallic nonideal contacts in the integer quantized Hall regime" O. Kilicoglu, D. Eksi, O. Goktas ve A. Siddiki ,PHYSICAL REVIEW B 82, 165308,2010.

2. "The current polarization rectification of the integer quantized Hall effect" O. Kilicoglu, D. Eksi, S. Aktas ve A.Siddiki ,Physica E 42, 1066-1068, 2010.

3. "A realistic quantum capacitance model for quantum Hall edge state based Fabry-Pérot interferometers"

OKilicoglu, D Eksi and A Siddiki, Published 21 November 2016,Journal of Physics: Condensed Matter, Volume 29, Number 3.

4. “Classical and quantum capacitances calculated locally considering a two-dimensional Hall bar”

OKilicoglu, E. Guvenilir, D. Eksi, A. Siddiki (Under-review) arXiv:1612.06779, (cond-mat.mes-hall) (Under-review).

5. “The theory of Fabry-Perot interferometers: Seeking for the validity regimes at realistic device”

O. Kilicoglu, D. Eksi, A. Siddiki (Under-review).

7.2. Other international published articles in journals

7.3. Presentation in international scientific meetings and published papers on conference proceedings

1. “Investigation of Geometric and Quantum Capacitance of Fabry-Perot-type Interferometers in the Quantum Hall Regime Considering Real Samples” ICPS 201231 st International Conference On The Physics of Semiconductors, Zurich, Switzerland, July 29-August 3, 2012.

2. “The theoretical investigation of metallic contacts in the non-linear transport regime” The EP2DS19/MSS15 conference to be held in Tallahassee, Florida, July 25-29, 2011

7.4. International books or book chapters

7.5. Articles published in national journals

7.6. Presented in national scientific meetings and proceedings papers published in the book

1. “Classical Capacitance of Fabry-Perot-type Interferometers in the Quantum Hall Regime” VIII. Nanobilim ve Nanoteknoloji Konferansı, Ankara (25-29 Haziran 2012).

2. “The effects of disorder on the ideal and nonideal metallic contacts in the integer quantized Hall regime” Türk Fizik Derneği 28. Uluslararası Fizik Kongresi, Bodrum (6-9 Eylül 2011).

3. “Particle interferometers defined on 2D electron systems” V. Nano-elektronik Taşınım Sempozyumu, Feza Gürsey enstitüsü, İstanbul (07-11 şubat 2010).

4. “The multilayered cubic quantum dot under the external fields” 13. Ulusal Sıvıhal Fiziği Sempozyumu, 27-29 EKİM 2009, Piri Reis Üniversitesi / Tuzla İstanbul.

5. “Dış alanlar altında iç içe kübik kuantum noktası” Muğla Üniversitesi IV. Akyaka Nano-Elektronik Taşınım Sempozyumu, Muğla Üniversitesi / Muğla – TÜRKİYE, 4-12 Kasım 2009.

6. “The Electronic Properties under Magnetic and Electric Fields of an Electron in Multilayered Cubic Quantum Dot” Muğla Üniversitesi II. Akyaka Nano-Elektronik Taşınım Sempozyumu, Muğla Üniversitesi / Muğla – TÜRKİYE, 6-10 Şubat 2009.
7. “The Electronic Properties under Magnetic and Electric Fields of an Electron in Multilayered Cubic Quantum Dot” İstanbul Teknik Üniversitesi, 4.Ulusal Nanobilim Ve Nanoteknoloji Konferansı (2008).

7.7. Other publications

8. Projects

TUBITAK Scholarship (Project Name: “Investigation of semiconductor based particle interferometers within self-consistent (numerical) calculation schemes and devices design theory”, (15.11.2009-15.11.2011)).

9. Administrative Duties

Chair of the Department of Nuclear Technology and Radiation Safety

Head of the Nuclear Technology and Radiation Safety Program

10. Membership for Scientific and Professional Organizations

11. Awards

12. Research Topics

Electronic Properties of Low Dimensional Systems
Quantum Hall Effect,
Quantum Capacitance of Electronic interferometers,
Coulomb Blockade at Quantum Dots,
Numerical Modeling of Electronic Devices

13. Computer Skills:

Fortran, Matlab, Origin, Derive, MS Office

14. For courses at undergraduate and postgraduate level in the last two years Fill in the following table.

Academic year	Period	Course title	Department
(2017_2018) Üsküdar University	Fall	Mechanics	Vocational school of health services
		Calculus I (english)	Faculty of Engineering and Natural Sciences
		General Mathematics I	Vocational school of health services
	Spring	General Mathematics II	Vocational school of health services
		Basic Electric	Vocational school of health services
		Vocational Mathematics	Vocational school of health services
		Social Responsibility Project	Vocational school of health services
(2012-2017) Işık University	Fall	Physics 103 General Physics I Mechanics Laboratory	Faculty of Arts and Sciences , Faculty of Engineering
	Spring	Physics 104 General Physics II Electricity and Magnetism Laboratory	Faculty of Arts and Sciences , Faculty of Engineering
2017 Işık University	Summer	General Physics II	Faculty of Arts and Sciences , Faculty of Engineering
(2009_2012) Istanbul University	Fall	Quantum Technologies Laboratory	
	Spring	Quantum Technologies Laboratory	
(2006_2012) Trakya University	Fall	Mechanical and Electronic Laboratory	Faculty of Arts and Sciences
		Computer Laboratory	Faculty of Arts and Sciences
	Spring	Mechanical and Electronic Laboratory	Faculty of Arts and Sciences
		Computer Laboratory	Faculty of Arts and Sciences