

## EK - 4A

### ÖZGEÇMİŞ

**1. Adı Soyadı** : Azmi Ali Altıntaş  
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**Adres** :  
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**2. Doğum Tarihi** :15/01/1979

**3. Unvanı** :Doçent Doktor

**4. Öğrenim Durumu** :

Derece	Alan	Üniversite	Yıl
Lisans	Fizik	Yıldız Teknik	2000
Yüksek Lisans	Fizik Anabilim Dalı	Boğaziçi	2004
Doktora	Fizik Anabilim Dalı	Boğaziçi	2009

### 5. Akademik Unvanlar

Yrd. Doç. Dr.: Eylül 2009

Doç. Dr.: Nisan 2015

### 6. Yönetilen Yüksek Lisans ve Doktora Tezleri

#### 6.1. Yüksek Lisans Tezleri

#### 6.2. Doktora Tezleri

Kuantum Fisher Bilgisi Optimizasyonu Önerisi ve Dolanıklık Ölçütleri ile İlişkisi- Volkan Erol, 2015 (Eş Danışman: Doç. Dr. Fatih Özaydın, Işık Üniversitesi)

### 7. Yayınlar

#### 7.1. Uluslar arası hakemli dergilerde yayınlanan makaleler

29- Deterministic Local Doublings of W States, JOSA-B, Vol:33 (2016)

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- 26- An Optical Setup for Deterministic Creation of Four Partite W State, *Acta Physica Polonica* Vol:127 (2015)  
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- 25- Quantum Metrology: Surpassing the Shot-Noise Limit with Dzyaloshinskii-Moriya Interaction, *Scientific Reports* Vol:5 (2015)  
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- 24- Quantum Fisher Information of Bipartitions of W States, *Acta Physica Polonica* Vol:127 (2015)  
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- 23- Fusing Multiple W States Simultaneously with a Fredkin Gate, *Phys. Rev. A*, Vol: 89 (2014)  
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- 22- Analysis of Entanglement Measures and LOCC Maximized Quantum Fisher Information of General Two Qubit Systems, *Scientific Reports* Vol:4 (2014)  
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- 21- Behavior of Quantum Fisher Information of Bell Pairs under Decoherence Channels, *Acta Physica Polonica* Vol:125 (2014)  
[http://przyrbwn.icm.edu.pl/mwg-internal/de5fs23hu73ds/progress?id=KNYVcHOkY3rmgkJdVMExF\\_WCOMaWg5pyiNsokyP PwTs](http://przyrbwn.icm.edu.pl/mwg-internal/de5fs23hu73ds/progress?id=KNYVcHOkY3rmgkJdVMExF_WCOMaWg5pyiNsokyP PwTs)
- 20- Alpha Head on Collision with a Fixed Gold Nucleus, Taking into Account the Relativistic Rest Mass Variation as Implied by Energy-Mass Equivalence, *Acta Physica Polonica* Vol:125 (2014)  
<http://przyrbwn.icm.edu.pl/mwg-internal/de5fs23hu73ds/progress?id=q-SJLfXtUnfU65IdaNy4CYE2F7-MG1PT56PpSdajv7k>
- 19- The Quantum Logic Gates Using q-Deformed Oscillator Algebras, *Quantum Inf. Process.* Vol: 13 (2014)  
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- 18- Quantum Fisher Information of Several Qubits in The Superposition of a GHZ and Two W States With Arbitrary Relative Phase, *Int. J. Theor. Phys.* Vol: 53 (2014)  
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- 17- Quantum Fisher Information of N Particles in the Superposition of W and GHZ States *Int. J. Theor. Phys.* Vol: 52 (2013)  
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- 16- Inhomogeneous Quantum Invariance Group of Multi-Dimensional Multi-parameter Deformed Boson Algebra *CHIN PHYS. LETT.* Vol 29 No:1 (2012)

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- 14- The Multi-dimensional q-Deformed Bosonic Newton Oscillator And Its Inhomogeneous Quantum Invariance Group  
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<http://www.sciencedirect.com/science/article/pii/S0168900209013485#>
- 10- Non-Deformed Quantum Groups,  
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- 9- The ATLAS muon Micromegas R&D project: towards large-size chambers for the s-LHC  
JOURNAL OF INSTRUMENTATION Vol:4  
[http://iopscience.iop.org/1748-0221/4/12/P12015/pdf/1748-0221\\_4\\_12\\_P12015.pdf](http://iopscience.iop.org/1748-0221/4/12/P12015/pdf/1748-0221_4_12_P12015.pdf)
- 8- The Inhomogeneous Quantum Invariance Group of q-Deformed Boson Algebra  
MPLA Vol.24 No:38 (2009)  
<http://www.worldscientific.com/doi/pdf/10.1142/S0217732309031211>
- 7- Classification of Inhomogenous Quantum Invariance Groups of Particle Algebras, BPL 16,16001 (2009)
- 6- The Inhomogeneous Invariance Quantum Group of Particle Algebras with Continuous Parameters, Int. J. Theor. Phys. Vol:48 (2009)  
<http://link.springer.com/article/10.1007/s10773-009-0004-3>
- 5- Inhomogeneous Quantum Group Generalization of IO(2N, C) and ISP(2N, C)  
MPLA VOL:23 No:8 (2008)  
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- 4- The Inhomogeneous Invariance Quantum Supergroup of Supersymmetry Algebra  
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<http://www.sciencedirect.com/science/article/pii/S0375960108011730#>

- 3- The Inhomogeneous Quantum Invariance Group of Commuting Fermions  
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## 7.2. Uluslar arası bilimsel toplantılarda sunulan ve bildiri kitabında (Proceeding) basılan bildiriler.

- 8- Quantum Fisher Information of Open Dissipative Steady State Systems, International Conference on Quantum Science and Applications Conference, (2016), AIP Conference Series.
- 7- Analysis of Negativity and Relative Entropy of Entanglement measures for qubit-qutrit Quantum Communication systems, IEEE Signal Processing and Communications Applications Conference, (2015)  
[http://ieeexplore.ieee.org/xpls/abs\\_all.jsp?arnumber=7129800](http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=7129800)
- 6- An analysis of concurrence entanglement measure and quantum fisher information of quantum communication networks of two-qubits, IEEE Signal Processing and Communications Applications Conference, (2014)  
[http://ieeexplore.ieee.org/xpls/abs\\_all.jsp?arnumber=6830229&tag=1](http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=6830229&tag=1)
- 5- Strategy with recycling for the enhanced setup for creating large scale W state networks, International Workshop on Quantum Communication Networks, (2014)
- 4- Fusing Several Polarization Based Entangled Photonic W State, Quantum Information Processing and Communication Conference, (2013)
- 3- An Alternative to Dirac's Model, Confining Charge Due to the Bound Electron, not in the Field, but Within the Electron Itself, The Physics of Reality (2012)  
[http://www.worldscientific.com/doi/abs/10.1142/9789814504782\\_0022](http://www.worldscientific.com/doi/abs/10.1142/9789814504782_0022)
- 2- New Dirac Equation From The View Point of Particle  
AIP Conf. Proc. 1476 (2012)  
[http://proceedings.aip.org/resource/2/apcpcs/1476/1/361\\_1?isAuthorized=no](http://proceedings.aip.org/resource/2/apcpcs/1476/1/361_1?isAuthorized=no)
- 1- Bosonic Algebras And Their Inhomogeneous Invariance Quantum Groups  
J. Phys.: Conf. Ser. 343 012010 (2012)  
[http://iopscience.iop.org/1742-6596/343/1/012010/pdf/1742-6596\\_343\\_1\\_012010.pdf](http://iopscience.iop.org/1742-6596/343/1/012010/pdf/1742-6596_343_1_012010.pdf)

## 7.3. Yazılan Uluslar arası kitaplar veya kitaplarda bölümler.

#### 7.4. Ulusal hakemli dergilerde yayınlanan makaleler

#### 7.5. Ulusal bilimsel toplantılarda sunulan bildiri kitabında basılan bildiriler

#### 7.6 Diğer Yayınlar

#### 8.Projeler

- 5- DESIGNING NANO DEVICES BASED ON ATOM-PHOTON INTERACTIONS, BAP-15B103 (IŞIK ÜNİVERSİTESİ BAP), 2016-2018, ARAŞTIRMACI
- 4- MİKRO VE NANO YAPILARIN GENELLEŞTİRİLMİŞ HİPERGEOMETRİK FONKSİYONLAR VE YALINKAT FONKSİYONLAR ÜZERİNE BAZI UYGULAMALARI, BAP-14B102 (IŞIK ÜNİVERSİTESİ BAP), 2015-2017, ARAŞTIRMACI
- 3- DEVELOPING QUANTUM NETWORKS FOR QUANTUM COMPUTATION & COMMUNICATION AND NEW NANO QUANTUM TECHNOLOGIES, BAP-144101 (IŞIK ÜNİVERSİTESİ BAP), 2014-2015, ARAŞTIRMACI
- 2- MOSSBAUER YÖNTEMİ İLE YARMAN-ARIK- ROSANOV ÖNGÖRÜSÜNÜN İNCELENMESİ, BAP-5623 (İSTANBUL ÜNİVERSİTESİ BAP), 2010-2013, ARAŞTIRMACI
- 1- GENERAL UNITARY QUANTUM GROUPS, BAP-06B301 (BOĞAZİÇİ ÜNİVERSİTESİ BAP), 2006-2008, ARAŞTIRMACI

#### 9.İdari Görevler

Okan Üniversitesi Mühendislik Fakültesi Fakülte Kurulu Üyeliği (2015- )  
Okan Üniversitesi Mühendislik Fakültesi Fakülte Yönetim Kurulu Üyeliği (2015-)  
Okan Üniversitesi Mühendislik Fakültesi Disiplin Kurulu Üyeliği (2016-)  
Okan Üniversitesi Yaz Okulu Koordinatörlüğü (2016-2017)

#### 10.Bilimsel Kuruluşlara Üyelikleri

#### 11.Ödüller

TÜBİTAK Yayın Teşvik Ödülleri

#### 12.Son iki yılda verdiği lisans ve lisansüstü düzeyindeki dersler

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2016-2017	BAHAR	FİZİK 2	2	2	75
2016-2017	BAHAR	PHYSICS 2	0	2	140
2016-2017	GÜZ	FİZİK 1	2	2	115
2016-2017	GÜZ	PHYSICS 1	2	2	290
2015-2016	BAHAR	FİZİK 2	2	2	155
2015-2016	BAHAR	PHYSICS 2	2	2	275
2015-2016	GÜZ	FİZİK 1	2	2	125
2015-2016	GÜZ	PHYSICS 1	2	2	275

\* İşaretli dersler, yüksek lisans dersleridir.