

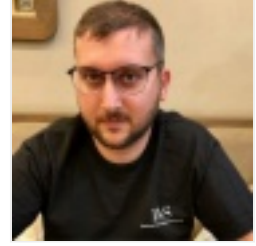
# Ali Övgün

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AS246, Physics Department, Eastern Mediterranean University  
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31 years old



## Assistant Professor of Physics

### Personal Interests

#### Personal Webpage

[www.aovgun.com](http://www.aovgun.com)

#### Publications

[ARXIV](#)

[INSPIREHEP](#)

[PUBLONS](#)

[RESEARCHGATE](#)

[GOOGLE SCHOLAR](#)

[ORCID](#)

#### Brief Biography

Dr. Övgün graduated from **Girne 19 May#s Türk Maarif Koleji** in 2005. He attended **#zmir Institute of Technology (IZTECH)**, Turkey as an **undergraduate**, earning a **B.Sc. in Physics in 2010** under the advisor of **Prof. Dr. Durmu# Ali Demir**. He spent a year at the **University of Southampton, England**, to gain experience in astroparticle physics via **SEPnet Ph.D. Scholarships in 2011**. He then returned to **Eastern Mediterranean University (EMU)**, North Cyprus, to complete his **M.Sc. in 2013** and **Ph.D.in Physics in 2016** under the supervisor of **Prof. Dr. Mustafa Halilsoy** and **Prof. Dr. #zzet Sakall#**. He was thereafter awarded a **FONDECYT Postdoctorado 2017- Grant** to continue his research for 3 years at the **Instituto de Física, Pontificia Universidad Católica de Valparaíso (PUCV), Valparaíso, Chile** as a Postdocs researcher.

#### Academic Experiences

Dr. Övgün's academic posts have also included:

\*A short-term visitor at **TH Division, Physics Department, CERN Switzerland** in October 2017;

\*Research Visitor of **Prof. Robert B. Mann** at **Department of Physics and Astronomy, University of Waterloo ; Perimeter Institute for Theoretical Physics, Canada** during January-February 2018;

\*Research Visitor of **Prof. Douglas Singleton** at **California State University, Fresno** in April 2018;

\*Research Visitor of **Prof. Leonard Susskind** at **Stanford Institute for Theoretical Physics** in April-May 2018;

\*Attended to the school of **Prospects in Theoretical Physics 2018 From Qubits to Spacetime (PITP2018)** at **The Institute for Advanced Study (IAS) in Princeton, New Jersey, USA** in July 2018.

He is an assistant professor at Eastern Mediterranean University, North Cyprus.

He is a member of American Physical Society (APS), Canadian Association of Physicists (CAP), European Physical Society (EPS), Southeastern European Network in Mathematical and Theoretical Physics (SEENET-MTP) and American Mathematical Society (AMS).

#### Doctoral Genealogy:

**Ali Övgün**

**Mustafa Halilsoy**

**Yavuz Nutku**

**S. Chandrasekhar**

**Arthur S. Eddington**

## Objectives

**Ali Övgün** is a theoretical physicist and works on general relativity, cosmology and astroparticle physics. This is a vast topic which touches upon many different parts of physics from quarks to universe. He is interested in questions that provide us with information about the foundations of physics.

He is studying this relationship further in order to understand the deep connection between black holes and quantum information. Over the years, He has studied aspects of general relativity related to black holes, wormholes, compact stars, quasi-normal modes, black hole's thermodynamics, Hawking radiation, cosmology, inflation, gravitational lensing, complexity, modified gravity theories, AdS/CFT, and holography.

He try to address a number of interesting questions in physics, such as:

- Is it possible that the Big Bang could be replaced with a wormhole at the beginning of time?
- Is it possible to create a traversable wormhole?
- How can quantum effects be included in black hole/wormhole thermodynamics?
- What happens at the edge of a Black Hole or inside a Black hole?
- Could Our Universe Be A Hologram? or How Many Dimensions In The Holographic Universe?
- Why is the universe expanding at an accelerating rate?
- How are Brain Cells Like Little Universes? so on...

## Professional Experiences

### Postdoctoral Researcher

**Pontificia Universidad Católica de Valparaíso**

FONDECYT 2017

*Since February 2017*

Valparaiso - Chile

### Visiting Assist. Prof. Dr.

**Eastern Mediterranean University**

Visiting Faculty Member of Arts and Science Faculty, Physics Department

*Since September 2018*

Famagusta - Cyprus

### Part-Time Physics Instructor

**Eastern Mediterranean University**

*From September 2016 Till May 2017*

Famagusta - Cyprus

### Research Assistant

**at Eastern Mediterranean University**

*From September 2011 Till July 2016*

Famagusta, Northern Cyprus - Cyprus

## Educational Background

### Ph.D in Physics

**Eastern Mediterranean University, N. Cyprus**

CGPA:3.71/4.00

*July 2016*

FAMAGUSTA TRNC - Cyprus

### Master of Science in Physics

**Eastern Mediterranean University, N. Cyprus**

CGPA:3.43/4.00

*February 2013*

FAMAGUSTA TRNC - Cyprus

### Bachelor of Science in Physics

**Izmir Institute of Technology, Department of Physics**

CGPA: 3.28/4.00 With honors degree and graduated from undergrad as the 2nd. best student.

*July 2010*

Izmir - Turkey

### SCIENCE

**19 Mayıs Turk Maarif Koleji, Girne, Northern Cyprus**

Majored in Science and Mathematics, with high honors

CGPA: 8.6 / 10

*July 2005*

TRNC - Cyprus

## Skills

### RESEARCH INTEREST & SKILLS

#### RESEARCH INTEREST

General Relativity, Wormholes, Black holes, Gravitational Lensing, Hawking Radiation, Cosmology, Quasinormal modes

#### COMPUTER SKILLS & KNOWLEDGE

Linux, Maplesoft, Mathematica, Python, Fortran-77, Microsoft Office, MacOS, Latex

## Languages

### Turkish

Native language

### English

Fluent

### Russian

Beginner

### Spanish

Beginner