

CURRICULUM VITAE

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Nationality: Turkish

Education:

(1996-1999) Ankara Science High School, Ankara
(1999-2003) B.S. Degree in Physics
Middle East Technical University (METU), Department of Physics,
Special Program, Ankara
(2003-present) Ph.D. Program in Physics
Massachusetts Institute of Technology (MIT),
Department of Physics, Center for Theoretical Physics
Cambridge, MA

Honors and Awards Received:

- First Prize and “Young Researcher of the Year” Special Award in Scientific and Technical Research Council of Turkey's (TUBITAK) Physics Project Competition of high school students (Ankara, TURKEY - 1998)
- Bronze Medal in the Sixth National Olympiad of Physics organized by TUBITAK (Ankara, TURKEY - 1998)

- Honourable Mention in the category of Research Papers in the international project competition “First Step to Nobel Prize in Physics” (Warszawa, POLAND - 1999)
- Silver Medal in the Thirtieth International Olympiad of Physics (Padua, ITALY - 1999)
- METU Presidential High Honour List (Ankara, TURKEY – 2000 - 2003)
- Ranked first among METU Department of Physics, Class 2003 (Ankara, TURKEY – 2003)

Scholarships:

- METU Scholarship including full tuition (Ankara, TURKEY – 1999 – 2003)
- TUBITAK Scholarship (Ankara, TURKEY – 1999 – 2003)
- Preacis Presidential Fellowship (MIT – 2003 – 2004)

Scientific Experience:

- Worked experimentally on levitation forces in superconductors at the Low Temperature Physics Laboratories of Hacettepe University under the supervision of T. Firat (Ankara, Turkey - 1997 - 1998)
- Participated in the Fortieth London International Youth Science Forum and presented his works on superconductors (London, UK - 1998)
- Attended the “Particle Physics and Astronomy International Undergraduate Summer School” in the University of Cambridge (Cambridge, UK - 2001)
- Carried out a one month theoretical research project entitled “Anomalies in the Energy Levels of an Electron around a Magnetic Monopole” under the supervision of Donald Lynden-Bell at the University of Cambridge (Cambridge, UK - 2001)
- Carried out a two semesters theoretical research project entitled “Entropy Production on Simple Quantum Systems” under the supervision of M. Durgut at METU as a graduation project (Ankara, Turkey - 2002)
- Attended the Summer Student Program of CERN (Geneva, Switzerland – 2003)
- Carried out a two month research on magnetic field measurements in the CP violation experiment NA48/2 at CERN (Geneva, Switzerland – 2003)
- Attended “Prospects in Theoretical Physics” summer school on “Introduction to Collider Physics” at the Institute of Advanced Study (Princeton, NJ, USA – 2005)

Teaching Experience:

- Gave regular lectures on C programming language and physics to lower grades in high school (1997- 1999)
- Gave weekly public lectures on popular cosmology, astrophysics and astronomy at METU Amateur Astronomy Club for two semesters (2001)
- Worked as a teaching assistant in the National Physics Olympiad Program (2000 – 2003)
- Worked as a tutor for freshman physics courses in the Department of Physics, METU during regular office hours (2002 – 2003)
- Was a teaching assistant for the freshmen level physics course “8.01 Physics I” at MIT (Fall 2004)
- Currently a teaching assistant for sophomore level physics course “8.033 Relativity” at MIT (Fall 2005)

Working experience:

- Worked in the only astronomy magazine of Turkey, “Gokyuzu”. Prepared the “Astronomy News” pages of this monthly magazine for one year (2000)
- Worked as an assistant student of METU in the position of a computer operator in Computational Physics Laboratory (1999 – 2001)
- Worked as a student guide in National Science Olympiads and National Project Competitions of high school students (1999 – 2003)

Computer Skills: Major applications in Mac OS X, Windows XP and Linux, MAPLE 9, Mathematica 5, C and Fortran

Hobbies & Interests: Aikido, reading and writing popular science, astronomy, cinema, traveling, computers

Languages: Turkish (Native), English (Advanced)