

CURRICULUM VITAE

Nejat Bulut

Personal

Date of Birth: 1965
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Education

1983 Science High School of Ankara
1987 B.Sc. in Physics, Massachusetts Institute of Technology
1991 Ph.D. in Physics, University of California at Santa Barbara (UCSB)

Employment

1987-1991 Graduate Assistant
Department of Physics, UCSB
1991-1992 IBM Postdoctoral Fellow
Institute for Theoretical Physics, UCSB
1992-1994 Postdoctoral Research Associate
Materials Research Laboratory and Department of Physics
University of Illinois at Urbana-Champaign
1994-1997 Visiting Assistant Professor
Department of Physics, UCSB
1998-1999 Assistant Professor
Faculty of Arts and Sciences, Koç University
1999-2004 Associate Professor
Faculty of Arts and Sciences, Koç University
2004-2008 Visiting Associate Professor
Institute for Materials Research, Tohoku University
2009-present Professor
Department of Physics, Izmir Institute of Technology

Research Areas

- Theoretical condensed matter physics
- Many-body physics
- Computational physics
- Magnetism and superconductivity
- Correlated-electron materials

Research Interests

- High-temperature superconductors:
 - magnetic correlations
 - $d(x^2-y^2)$ symmetry of the superconducting gap
 - nature of the pairing interaction
 - NMR, neutron scattering and photoemission experiments
 - non-magnetic impurities
- Frustrated magnetic systems: organic materials, cobaltates
- One-dimensional organic conductors and oxide materials
- Dilute magnetic semiconductors
- Electronic structure and correlations in metalloproteins and metalloenzymes
- Correlated-electron physics in nano-structured materials

Awards

- Ranked third in the University Entrance Examination of Turkey (in science), 1983
- IBM Postdoctoral Fellowship, 1991-1992
- Istanbul University Science Award, 2000
- Turkish National Science Foundation (TUBITAK) Support Award, 2001
- Turkish Academy of Sciences GEBIP Award for Research Support, 2002-2005
- Japan Society for Promotion of Science (JSPS) Fellowship, 2005-2006
- Member of Bilim Akademisi (www.bilimakademisi.org) since 2012

Citations

- Number of citations received (Google Scholar): over 2500
- H index: 23

Courses Taught

Finite mathematics	Freshman level
Calculus	Freshman level
Introductory physics I	Freshman level
Quantum physics	Sophomore level
Applied mathematics	Junior level
Numerical methods	Junior level
Electromagnetism	Junior level
Statistical physics	Junior level
Solid state physics	Senior level
Condensed matter physics	Graduate level
Many-body physics	Graduate level