

AHMET TURGAY UZER

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Georgia Institute of Technology, Atlanta, GA 30332-0430

EDUCATION:

Ph.D. in Chemical Physics, Harvard University, 1979

M.A. in Physics, Harvard University, 1977

B.S. in Chemistry, Middle East Technical University, Ankara, Turkey 1974

PROFESSIONAL EXPERIENCE:

1995–present Professor, Georgia Inst. of Technology

1993–1994 Research Fellow, Max-Planck-Inst. fr Astrophysik and Quantenoptik, Munich

1990–1995 Associate Professor, Georgia Inst. of Technology

1985–1990 Assistant Professor, Georgia Inst. of Technology

1983–1985 Research Associate, University of Colorado

1982–1983 Research Fellow, California Inst. of Technology. Advisor: Prof. R.A. Marcus.

ACADEMIC HONORS:

Undergraduate Scholarship of the Turkish Scientific and Research Council, 1970-1974; Outstanding Academic Achievement Award, of the Board of Trustees, Middle East Technical Univ., 1974; Predoctoral Scholarship of TBTAk (NATO Fellowship), 1974-1979; Fulbright Scholar, 1975-1979; Graduate Fellowship, Harvard University, 1975-1977; Dreyfus Fellowship, Harvard University.

SCIENTIFIC ADVISORY COMMITTEES:

American Physical Society

GRADUATE AND POSTDOCTORAL ADVISING (in past 5 years):

Graduate students: D.K. Sahm, J.L. Vega, P. Bellomo, M.A. Iken

Postdoctoral fellows: J.R. von Milczewski, N. Berglund.

OTHER COLLABORATORS (in past 48 months):

D. Farrelly, C. Cerjan, C. Jaffe, E. Oks

SELECTED PUBLICATIONS (out of 129):

1. “Transition State Theory without Time-Reversal Symmetry: Chaotic Ionization of the Hydrogen Atom” (with C. Jaff and D. Farrelly), *Phys. Rev. Lett.* **84**, 610-613 (2000)
2. “Transition State in Atomic Physics” (with C. Jaff and D. Farrelly), *Phys. Rev. A* **60**, 3833-3850 (1999)
3. “Ionization of Hydrogen in Elliptically Polarized Microwave Fields” (with E. Oks), *J. Phys. B: At. Mol. Phys.* **32**, 3601-3613 (1999)
4. “Multifrequency Resonance Transitions in the Ionization of Hydrogen by a Single-Frequency Microwave Field” (with E. Oks), *J. Phys. B: At. Mol. Phys.* **33**, 1985-1995 (2000)
5. “Coherent States in a Rydberg Atom: Quantum Mechanics” (with C. Cerjan, E. Lee, and D. Farrelly), *Phys. Rev. A* **55**, 2222-2231 (1997)
6. “Magnetic Field Stabilization of Rydberg Wave Packets in a Circularly Polarized Microwave Field” (with D. Farrelly and E. Lee), *Phys. Lett. A* **204**, 359-372 (1995)
7. “Threshold Ionization Dynamics of the Hydrogen Atom in Crossed Electric and Magnetic Fields” (with D. Farrelly), *Phys. Rev. A* **52**, R2501-2504 (1995)
8. “Computation of the Arnol’d Web for the Hydrogen atom in Crossed Electric and Magnetic Fields” (with J. von Milczewski and G.H.F. Diercksen), *Phys. Rev. Lett.* **76**, 2890-2893 (1996)