Resume:

Edward S. Fry

Personal

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Education

B.S., Physics, University of Michigan, 1962
M.S., Physics, University of Michigan, 1963
Ph.D., Physics, University of Michigan, 1969

Professional Experience

1969-1969 .....Research Associate (Post-doc), Physics Department, University of Michigan, Ann Arbor, MI.
1969-1975 .....Assistant Professor, Department of Physics, Texas A&M University, College Station, TX.
1975-1977 .....Associate Professor, Department of Physics, Texas A&M University, College Station, TX.
1977-1979 .....Visiting Associate Professor, Department of Physics, University of Michigan, Ann Arbor, MI.
1979-1986 .....Associate Professor, Department of Physics, Texas A&M University, College Station, TX.
1986-2002 .....Professor, Department of Physics, Texas A&M University, College Station, TX.
1994-1997 .....Director of the Texas Laser Laboratory, Houston Advanced Research Center, The Woodlands, TX
2002-present...Professor and Head, Department of Physics, Texas A&M University, College Station, TX.
2005-present...George P. Mitchell Professor of Experimental Physics, Department of Physics, Texas A&M University, College Station, TX.

Professional Societies

American Physical Society (Elected Fellow 1999)
Optical Society of America (Elected Fellow 1996)
Sigma XI

Honors and Awards

1993.....Distinguished Faculty Achievement Award
1995.....EG&G medal of the Society for Optical and Quantum Electronics
1993-1996 .....Past-Chair of the Texas Section of the American Physical Society
2000.....Texas A&M Distinguished Scientist Award of Sigma Xi

Selected papers published since January 1, 2006:

1. Marlan O. Scully, **Edward S. Fry**, C. H. Raymond Ooi, and Krzysztof Wódkiewicz, "Directed spontaneous emission from an extended ensemble of N atoms: Timing is everything", Phys. Rev. Lett. 96, 010501, 1-4 (2006).
2. J Koperski and **Edward S Fry**, "Molecules in the cold environment of a supersonic free-jet beam: from spectroscopy of neutral-neutral interactions to a test of Bell's inequality", J. Phys. B: At. Mol. Opt. Phys. 39, S1125-S1150 (2006).
3. A. Seifert, Mathias Sinther, Thomas Walther, and **Edward S. Fry**, "Narrow-linewidth, multi-Watt Yb:doped fiber amplifier at 1014.8 nm", Appl. Opt. 45, 7908-7911 (2006).
4. Alexey Belyanin, Vitaly V. Kocharovsky, Federico Capasso, **Edward Fry**, M. Suhail Zubairy, and Marlan O. Scully, "Quantum electrodynamics of accelerated atoms in free space and in cavities", Phys. Rev. A 74, 023807, 1-13 (2006).
5. **Edward S. Fry**, Joe Musser, George W. Kattawar, and Peng-Wang Zhai, "Integrating cavities – temporal response", Appl. Opt. 45, 9053-9065 (2006).
6. Gong W, Shi J, Li G, Liu D, Katz J W, **Fry E S**, "Calibration of edge technique considering variation of Brillouin line width at different temperatures of water", Appl. Phys. B-Lasers and Optics 83, 319-322 (2006).
7. Kai Schorstein, Gerrit Scheich, Alexandru Popescu, Thomas Walther, and **Edward S. Fry**, "A fiber amplifier and an ESFADOF: Developments for a transceiver in a Brillouin-LIDAR", Laser Physics 17, 975-982 (2007).
8. Jianhui Bai, Juan Liu, Yi Huang, Yinan Liu, Lu Sun, Dahe Liu, and **Edward S. Fry**, "Investigations of the attenuation coefficient of a narrow-bandwidth pulsed laser beam in water", Appl. Opt. 46, 6804-6808 (2007).
9. J. Koperski, X. Qu, H. Meng, R. Kenefick, and **Edward S. Fry**, "Rotational analysis of the (57,0) band of the $D1_u \leftarrow X\,0_g^+$ triplet-singlet transition in Hg_2 produced in a free-jet expansion beam", Chemical Physics 348, 103-112 (2008).
10. Thomas Walther and **Edward S. Fry**, "Remote sensing of sound speed and temperature in the ocean", Sea Technology 49, 41-45 (January, 2008).
11. **Edward S. Fry**, Xinmei Qu, and Marlan O. Scully, "Do experimental violations of Bell inequalities require a non-local interpretation of quantum mechanics? II: Analysis à la Bell", in "Quantum Reality, Relativistic Causality, and Closing the Epistemic Circle", Eds. Wayne C. Myrvold and Joy Christian, University of Western Ontario Series in the Philosophy of Science 73, pp.141-156, Springer (2009).
12. Joseph A. Musser, **Edward S. Fry**, and Deric J. Gray, "Flow-through integrating cavity absorption meter: experimental results", Appl. Opt. 48, 3592-3602 (2009).
13. Kai Schorstein, **Edward S. Fry**, and Thomas Walther, "Depth resolved temperature measurements of water using the Brillouin-lidar", Appl. Phys. B97, 931-934 (2009).
14. **Edward S. Fry**, George W. Kattawar, Benjamin D. Strycker, and Peng-Wang Zhai, "Equivalent path lengths in an integrating cavity", Appl. Opt. 49, 575-577 (2010).