

## CIRRICULUM VITAE

### Gregory P. Lafyatis

#### Education

M. I. T., Cambridge, MA  
Harvard University, Cambridge, MA

B. S., Electrical Engineering (1974)  
Ph. D., Physics (1982)

#### Employment

1994 - present      Ohio State University, Assoc. Prof. of Physics  
1987 - 94          Ohio State University, Assist. Prof. of Physics  
1984 - 87          M. I. T., Postdoctoral Fellow  
1982 - 84          Smithsonian Astrophysical Observatory, Physicist  
1976 - 82          Harvard University, Graduate Research Assistant  
1976 - 77          Harvard University, Graduate Teaching Assistant  
1974 - 75          Bartol Research Foundation, Technician, Antarctic Research  
1974                  Honeywell Radiation Center, Assistant Engineer  
1972 - 74          Honeywell Radiation Center, Cooperative Student

#### Recent research publications.

1. "Robust, efficient grating couplers for planar optical waveguides using no-photoacid generator SU-8 electron beam lithography", A. L. Bross, G. Lafyatis, R. Ayachitula, A. Morss, R. Hardman, and J. Golden, *J. Vac. Sci. Technol. B*, **27** 2602 (2009).
2. "1D and 2D optical lattices on a chip for quantum computing", Katharina Christandl, Gregory P. Lafyatis, Seung-Cheol Lee, and Jin-Fa Lee, *Phys. Rev. A* **70** 032302 (2004) Also selected for "Virtual Journal of Quantum Information".
3. "Low-field vortex matter in  $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ : An atomic beam magnetic-resonance study," Harald Hauglin, Nathan G. Woodard, Samuel Dapore-Schwartz, and Gregory P. Lafyatis *Phys. Rev. B* **67**, 014507 (2003). Also selected for: Virtual Journal of Applications of Superconductivity--January 15, 2003, Volume 4, Issue 2.
4. "Two-dimensional imaging of neutral alkali atom samples using surface ionization," Christandl, Katharina; Lafyatis, Gregory P.; Modoran, Andrei; Shih, Tung-Hsiu, *Rev. Sci. Instr.* **73**, 4201-4205 (2002).
5. "Characterization of cooled large-area silicon avalanche photodiodes," N. Woodard, J. Fox, and G. Lafyatis, *Rev. Sci. Instr.* **70**, 1951 (1999).