

This is to announce a seminar series (PHYS 798E/ENEE 698D) in Special Problems in Advanced Physics (Electro physics). This seminar series is a 1 credit course, pass/fail, meeting 1 hour/week (minimum of homework). The lectures will cover a broad range of topics to include:

- Remote Detection of Radioactivity using Lasers
- Laser Driven Particle Acceleration
- Atmospheric Propagation of High-Energy Lasers
- Atmospheric Propagation of Ultra-Short Pulse Lasers
- Ionosphere Physics and Modification
- Atmospheric Lasing
- Free Electron Lasers
- Chaos in Nonlinear Systems
- Ultra Short Pulse Laser Physics and Applications
- Stimulated Raman Backscattering of Laser Pulses
- Magnetometry

I plan to give some of the lectures; however, I also plan to invite leading experts in the field to present their research work. I hope you plan on attending.