

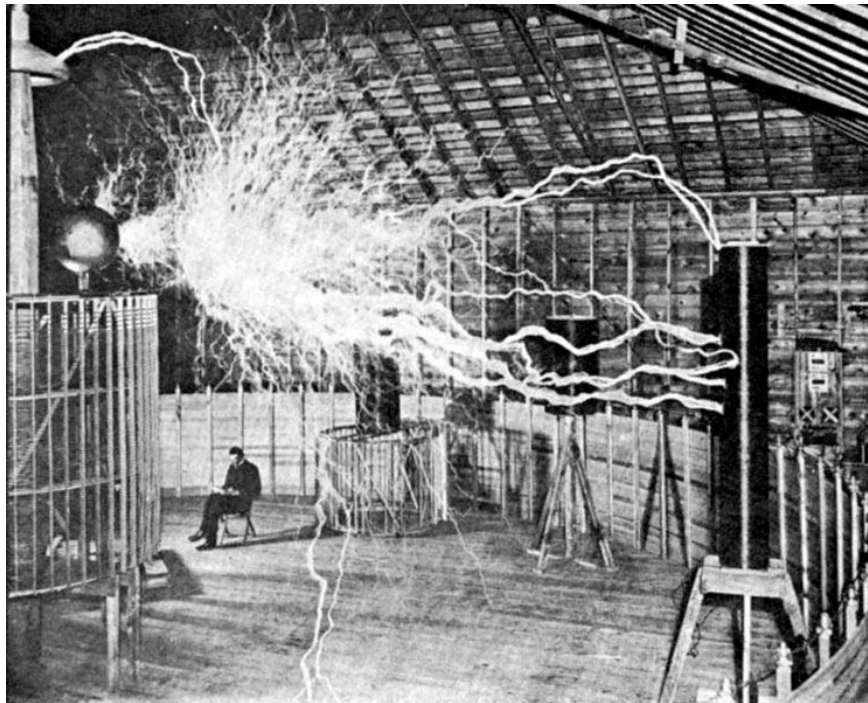
# Physics Student Seminar

Wednesday 4/7/2010, 4:30 pm  
Science & Engineering Building Auditorium

**Marc Erickson**

Department of Physics  
Mercer University

**Wireless Energy,  
Tesla's Dream**



In 1898 Tesla patented a system that would use his alternating current, transformers, magnetic induction and the atmosphere to wirelessly transmit and receive electricity. This system was integral to his vision of the future. A future of cheap affordable electricity for everyone, of music and communications transmitted through the earth, towers that would influence the weather to prevent catastrophic storms. Wireless electricity has been on the minds of physicists and electrical engineers since the beginning of the 20<sup>th</sup> century, but it has taken an entire century of pondering to begin to unravel how this dream might be realized. In this Seminar I will illuminate the history of wireless energy, the many forms of wireless energy, and how it will be an integral part of our future

*Please join us for light refreshments at 4:15pm outside SEB 203.*