



Lasing Down the Internet

By Professor Thomas Krauss

We all love to surf the internet, play on-line computer games and chat with people at the other end of the world. But how does it all work? What are the physics behind the internet revolution?

Thomas Krauss will explore how fibre optics work, how information is transmitted from telephones and computers using lasers, and how scientists at the cutting edge ensure that the communications capacity will continue to increase.

Thomas Krauss is Professor of Optoelectronics at the University of St Andrews where he leads a Research Group and has set up a semiconductor microfabrication facility.

Curriculum Links

- **Standard Grade Physics: Telecommunications; Electronics**
- **Standard Grade Technological Studies: Applied Electronics; Programmable Control**
- **Higher Physics: Electricity and Electrons; Radiation and Matter**
- **Higher Computing: Computer Systems**