

Terahertz Measurements and their Applications

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Benefits and learning objectives

Upon completion of this course, the student should have an understanding of:

- a short history of the field of terahertz science and technology
- the general concept of how terahertz radiation interacts with various materials
- the capabilities and limitations of various terahertz measurement systems
- which terahertz systems are commercially available, and which ones are still in the basic research stage
- some of the more promising science and engineering applications of terahertz techniques

Intended Audience

This course is intended for scientists and engineers from academia and industry with an interest in the growing field of THz science and technology. It is intended for researchers with an understanding of photonics but with little or no background in the field, as well as for those specialists who wish to get a broader view of emerging developments.