



INFRARED PHYSICS & TECHNOLOGY

An International Research Journal

AUTHOR INFORMATION PACK

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DESCRIPTION

The Journal covers the entire field of **infrared physics** and **technology**: theory, experiment, devices and instrumentation.

Its core topics can be summarized as the generation, propagation and detection, of **infrared radiation**; the associated optics, materials and devices; and its use in all fields of science, industry and medicine.

Infrared techniques occur in many different fields, notably spectroscopy and interferometry; material characterization and processing; atmospheric physics, astronomy and space research. Scientific aspects include lasers, quantum optics, quantum electronics and semiconductor physics. Some important applications are medical diagnostics and treatment, industrial inspection and environmental monitoring.

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- Environmental applications: pollution and monitoring.
- Detectors: quantum and thermal
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- Infrared lasers including free electron lasers
- Material properties, processing and characterization.
- Medical applications
- Nondestructive testing, active and passive.
- Optical elements: lenses, polarizers, filters, mirrors, fibres, etc.
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AUDIENCE

Those involved in the theory, techniques and instrumentation of infrared physics and engineering.

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[3] G.R. Mettam, L.B. Adams, How to prepare an electronic version of your article, in: B.S. Jones, R.Z. Smith (Eds.), *Introduction to the Electronic Age*, E-Publishing Inc., New York, 2009, pp. 281–304.

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