



This volume contains a selection of papers presented at the International Workshop on Quantum Well Infrared Photodetectors (QWIP2002), which was held at Castello di Strevi, Torino, Italy, from 13 to 17 October 2002.

Like the previous editions, QWIP2002 covers many aspects of quantum-well, quantum-dot and quantum-dot infrared photodetectors. Scientists and technical groups are presenting the latest advances in fundamental research, technologies and applications.

The program included 36 talks, a panel session and several informal discussion opportunities among participants.

The proceedings are organized in four main sections:

- (1) QWIP Physics and Devices;
- (2) Applications of Quantum Well Infrared Photodetectors;
- (3) Theory of Quantum Well Infrared Photodetectors;
- (4) Quantum Dot Infrared Photodetectors.

The possibility of seeing beyond the spectral range of the human eye vision is a primary need in the fields of civil surveillance, industrial process control, medicine, environment, defense and astrophysics. Aim of the workshop has been to address the future research in the field, through a better understanding of technological processes, device design, and photodetection mechanisms determining device performances. The state of the art of the methods and technologies able to improve thermal imaging technology has been defined.

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whose contribution made possible the success of this Workshop.

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