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Photon Counting Applications 2015

Ivan Prochazka
Roman Sobolewski
Ralph B. James
Editors

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Introduction

This book contains the proceedings of the SPIE Conference on Photon Counting Applications. The conference was held 13–15 April, in Prague, Czech Republic as part of the 2015 SPIE Conference on Optics and Optoelectronics. The meeting was organized into technical sessions on superconducting photon counting, solid state photon counting, x-ray photon detection, and applications. A poster session was also provided.

The purpose of the conference was to provide a forum for scientists and engineers from the detector development and user communities to present and evaluate the most recent results on photon-counting detectors and to discuss the requirements for a variety of detection and imaging applications. A total of 26 presentations, including 6 posters, were provided at the conference. This book provides detailed documentation describing a portion of the presentations. The editors hope that it will serve as an important record of the meeting, providing an update on the status of photon-counting detectors and applications, and serving as a useful resource for those working in the field.

The Conference Chairs would like to thank the Session Chairs and members of the Conference Program Committee, who offered their time to enlist the involvement of researchers working in the field.

Ivan Prochazka
Roman Sobolewski
Ralph B. James

