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Photon Counting Applications 2017

**Ivan Prochazka
Roman Sobolewski
Ralph B. James**
Editors

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Introduction

This volume contains the proceedings of the SPIE Conference on Photon Counting Applications. The conference was held on 24–25 April, in Prague, Czech Republic as part of SPIE Optics and Optoelectronics 2017. The meeting was organized into technical sessions on superconducting photon counting, X-ray photon detection, and solid-state photon counting and applications. A poster session was also featured.

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 24 presentations, including four posters, were presented 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, provide an update on the status of photon-counting detectors and applications, and serve 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 Programme Committee, who offered their time to enlist the involvement of researchers working in the field.

Ivan Prochazka
Roman Sobolewski
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