

PROCEEDINGS OF SPIE

Photon Counting Applications 2015

Ivan Prochazka
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Editors

13–15 April 2015
Prague, Czech Republic

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Published by
SPIE

Volume 9504

Proceedings of SPIE 0277-786X, V. 9504

SPIE is an international society advancing an interdisciplinary approach to the science and application of light.

Photon Counting Applications 2015, edited by Ivan Prochazka, Roman Sobolewski, Ralph B. James,
Proc. of SPIE Vol. 9504, 950401 · © 2015 SPIE · CCC code: 0277-786X/15/\$18 · doi: 10.1117/12.2197744

Proc. of SPIE Vol. 9504 950401-1

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Author(s), "Title of Paper," in *Photon Counting Applications 2015*, edited by Ivan Prochazka, Roman Sobolewski, Ralph B. James, Proceedings of SPIE Vol. 9504 (SPIE, Bellingham, WA, 2015) Article CID Number.

ISSN: 0277-786X

ISBN: 9781628416251

Published by

SPIE

P.O. Box 10, Bellingham, Washington 98227-0010 USA

Telephone +1 360 676 3290 (Pacific Time) · Fax +1 360 647 1445

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Printed in the United States of America.

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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

