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978-1-605-11318-0 — Nuclear Radiation Detection Materials - 2011, Volume 1341

Edited by Michael Fiederle , Arnold Burger , Larry Franks , Kelvin Lynn ,
Dale L. Perry , Kazuhito Yasuda

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**Nuclear Radiation Detection
Materials—2011**

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**MATERIALS RESEARCH SOCIETY
SYMPOSIUM PROCEEDINGS VOLUME 1341**

Nuclear Radiation Detection Materials—2011

Symposium held April 25–29, 2011, San Francisco, California, U.S.A.

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PREFACE

Symposium U, "Nuclear Radiation Detection Materials," held April 26–28 at the 2011 MRS Spring Meeting in San Francisco, California, provides the latest results and discussion of nuclear radiation detection materials. The symposium gave an overview of the crystal growth of the radiation detector materials, the characterization and the technology issues.

There is a strong need for new materials and methods for a variety of radiation detection applications. The types of detector materials include semiconductors and scintillators, which are represented by a variety of new scintillator materials, novel semiconductors, and traditional detection materials. This symposium was the continuation of the symposium from 2009 and it shows a rapidly growing field with several important improvements for the development of future radiation detectors.

Michael Fiederle
Dale L. Perry
Arnold Burger
Larry Franks
Kazuhito Yasuda
Kelvin Lynn

November 2011

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