



# Nuclear Photonics



Monterey, California • October 16-21, 2016

## Purpose

Discussion of all aspects of photon-based, nuclear science, applications & related technologies, i.e. Nuclear Photonics

## Important Dates

### On-line Registration Opens

May 2, 2016

### Deadline for Abstract Submission

September 6, 2016

### Deadline for Early Registration

August 26, 2016

### Deadline for Hotel Reservations

September 21, 2016

## Venue

Monterey Plaza Hotel & Spa  
[www.montereyplazahotel.com](http://www.montereyplazahotel.com)

## Topics

- Compton gamma-ray sources and related accelerator technologies
- Ultrahigh intensity lasers and related optical technologies
- Precision photo-nuclear spectroscopy
- NRF-based, isotope-specific materials detection, assay and imaging
- Production and photo-excitation of isomers
- Photo-fission and nuclear transmutation
- Ultrarelativistic laser-matter interactions and QED effects
- Production and characterization of rare isotopes
- Photon-enabled nuclear astrophysics reactions
- Advances in gamma-ray monochromators, optics and detectors
- Photon-based beams of positrons, neutrons, electrons, protons etc.
- Potential industrial, security, energy and medical applications

## Conference Chairs

Dr. Christopher Barty, Lawrence Livermore National Laboratory, USA

Dr. Ryoichi Hajima, National Institutes for Quantum and Radiological Science and Technology, Japan

Prof. Norbert Pietralla, Technische Universität Darmstadt, Germany

## Program Chairs

Prof. Calvin Howell, Duke University and Triangle Universities Nuclear Laboratory, USA

Prof. Markus Roth, Technische Universität Darmstadt, Germany

[nuclearphotonics2016.org](http://nuclearphotonics2016.org)