



# NINTH INTERNATIONAL WORKSHOP ON DOSIMETRY FOR RADIATION PROCESSING

Toronto, Ontario, CANADA

June 11-15, 2017

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## FIRST ANNOUNCEMENT

### INTRODUCTION

ASTM International's Committee E61 on *Radiation Processing* is pleased to announce that the *Ninth International Workshop on Dosimetry for Radiation Processing* will be held in Toronto, CA June 11 -15, 2017.

The workshop follows the successful eight previous workshops given in North America and Europe. The ninth workshop will be similar in format to the previous workshops which focused heavily on hands-on activities that enforce the practices identified in our standards.

This workshop will provide a combination of plenary presentations, hands-on practical exercises in which all attendees are expected to participate, informal "roundtable" sessions and case studies. Please plan to register early, as we expect to reach our limit of 60 technical participants quickly. Attendees will be accepted in the order they register for the workshop, until the maximum attendance is met.

### SCOPE AND OBJECTIVES

Standards published by ASTM International's Committee E61, many of which are also recognized as ISO standards, will form the basis for the discussions and hands-on exercises. This workshop will cover aspects of dosimetry for radiation processing that can be applied to the processing of food and agricultural products, pharmaceuticals, medical products, inks, packaging, polymers and radiation research. Attendees will use hands-on activities to reinforce the standard practices identified in ASTM standards. The objective is to improve the quality of dosimetry through a better understanding of dosimetry principles, factors influencing dosimeter performance, calibration techniques, dose mapping, and statistical process control.

### WHO SHOULD ATTEND?

This workshop is intended for any person in the radiation processing industry whose duties including using dosimeters, understanding dosimetry results, making decisions on the basis of dosimetry, or assessing performance of contractors who use dosimeters when performing irradiations. This would include individuals who are irradiator operators, dosimeter suppliers, healthcare products manufacturers, food processors, regulatory personnel, inspectors, etc. Attendees will have the opportunity to bring their questions to leaders in the radiation processing field. The workshop format is designed to provide maximum interaction between participants.

### ORGANIZING COMMITTEE

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## **THE CONFERENCE SITE**

The conference will take place at Sheraton Centre Toronto Hotel in the cosmopolitan city of Toronto, Ontario, Canada. This hotel is downtown and looks out upon Nathan Phillips Square and Toronto City Hall. It is conveniently connected to the financial and entertainment districts by way of the PATH, a 16-mile underground network of shops and services.

## **WORKSHOP FORMAT**

The workshop format will be similar to that of the previous workshop, but will incorporate new ideas to improve participation, including the use of technology to enhance the learning experience. Plenary sessions will be used to introduce important aspects of dosimetry that are applicable to gamma radiation, electron beam and X-ray processing. Practical hands-on exercises, utilizing relevant ASTM standards and comprehensive data treatment will allow participants to practice what they have learned. Discussion (roundtable) sessions, group meals and social gatherings will allow participants to share their experiences and ask questions.

The Workshop will address the following major topics during the plenary and hands-on sessions:

- **Dosimetry Overview and Selection**
- **Influence Quantities**
- **Dosimetry System Calibration**
- **Dose Mapping**
- **Irradiation Process Control**
- **Audit Perspectives**

## **POSTER AND DEMONSTRATION SESSION**

There will be a poster session where, by prior arrangement, attendees may present their latest work. There will also be demonstrations of equipment and technology where attendees can meet with developers, manufacturers, and users of current and new dosimetry systems. This session will focus on research activities and user/manufacture interactions.

## **CASE STUDIES AND ROUNDTABLE SESSIONS**

Adjunct to some of the major topics will be interactive case study example sessions to help participants become immersed in the real world translation of ASTM standards into routine practice as can be experienced in day-to-day operations involving dosimetry in radiation processing.

## **COMPANIONS' ACTIVITIES**

Workshop participants are encouraged to bring a companion. Companions are welcome to participate in the organized social and recreational functions of the workshop.

## **REGISTRATION**

The workshop registration fee, collected by ASTM, will include registration, the Sunday welcome reception, breakfast and lunch (including refreshment breaks) each workshop day and closing banquet. The registration fee and final program details will be given in the Second Announcement to be distributed by Fall 2016.

Updates on the workshop will be posted on the workshop website:

<http://www.astm.org/E61WrkshpJun2017>

For further information or to request that the second announcement be sent to you when available, please contact ASTM International's Committee E61 Staff Manager, Steve Mawn at [smawn@astm.org](mailto:smawn@astm.org).