



# Conference of Radiation Control Program Directors, Inc.

Office of Executive Director ♦ 205 Capital Avenue ♦ Frankfort, KY 40601  
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January 15, 2004

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Paul H. Lohaus, Director  
Office of State and Tribal Programs  
Nuclear Regulatory Commission  
Washington, DC 20555

Dear Paul,

The Conference of Radiation Control Program Directors, Inc. (CRCPD) is sponsoring a 2½ day National Symposium on Fusion Imaging and Multimodalities: Technical Features and Regulatory Challenges in Kansas City, MO on February 18-20, 2004 at the Marriott Kansas City Downtown. This symposium is made possible through financial assistance provided by the American College of Radiology (ACR), the Food and Drug Administration (Center for Devices and Radiological Health) (FDA/CDRH), the American Association of Physicists in Medicine (AAPM), the American Society of Radiological Technologists (ASRT), and the Society of Nuclear Medicine (SNM/TS). Topics to be addressed include technical and regulatory issues surrounding CT, PET, the fusion of PET and CT, and new radiopharmaceutical and brachytherapy procedures, and will be facilitated by H-24 Task Force on New Modalities. State Radiation Control Program (RCP) staff, and appropriate representatives from the AAPM, ACR, ASRT, FDA, NRC, SNM, and industry will be provided a forum for discussion of both current and future state activities addressing fusion imaging and multimodalities emerging technologies.

We invite you to provide a speaker for the Panel Discussion on Regulatory Perspective on Emerging Technologies at the symposium on Thursday, February 19, 2004 that addresses federal regulatory issues associated with radiopharmaceuticals used for these emerging technologies. The panel will be asked to discuss and respond to questions on emerging technologies that use non-PET isotopes: Yttrium 90-thera spheres, GliaSite, Intravascular brachytherapy, and monoclonal antibodies. Attendees would like to hear NRC's perspective on how new uses of radioisotopes are assigned to 35.1000 and then eventually move into 35.100, 35.300, 35.400, 35.500 or 35.600. There is also interest in how states should implement these same events/changes.

A draft of the agenda is attached for you to review. Also provided is the symposium announcement that was transmitted to the state radiation control programs.

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A Partnership Dedicated to Radiation Protection

Page Two  
Paul H. Lohaus  
January 15, 2004

In addition, we have provided spaces for 2-5 additional NRC staff to attend this symposium. We anticipate participation from nearly every state as well as from interested federal regulatory agencies, the ACR, and industry. Your contribution will help make this symposium a success and we look forward to working with you. Please contact Mary Ann Spohrer at 217-785-9916 for further details.

Sincerely,



Ronald G. Fraass  
Executive Director  
Conference of Radiation Control Program Directors, Inc.

RGF/ss

Enclosure

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**NATIONAL SYMPOSIUM ON FUSION IMAGING AND MULTIMODALITIES:  
TECHNICAL AND REGULATORY CONSIDERATIONS**

**February 18-20, 2004**  
**TENTATIVE AGENDA**  
*As of December 15, 2003*

**Day One**

- 8-8:15 AM Welcome  
Introduction  
Purpose
- 8:15-9:15 Computed Tomography  
Physics/Technology-Basic principles and technical advances
- 9:15-10:15 Computed Tomography  
Dose Issues-quantities of measurement  
Conventional, helical, pediatric considerations
- 10:15-10:45 Break
- 10:45-11:30 PET Imaging  
Basic principles  
Technical advances  
Clinical uses
- 11:30-12:00 QA/QC Issues  
Computed Tomography  
PET
- 12:00-1:30 Lunch
- 1:30-2:20 Physicist  
2:20-3:10 Physician  
PET/CT  
Why seeing more  
Clinical aspects  
Physicist aspects  
Dosages  
Benefits
- 3:15-3:45 Break
- 3:45-4:45 Radiopharmacy (Nuclear Pharmacy Safety Issues)  
4:45-5:45 Shielding Issues

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*205 Capital Avenue, Frankfort, KY 40601*  
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**Day Two**

- 8:00-9:30    Manufactures  
              Image quality issues for CT and PET  
              Future Trends/developments  
              Issues with machines/regulatory concerns/"road blocks"  
              International aspects  
              Developments of new modalities
- 9:30-10:00    Break
- 10:00-12:00    Regulatory/Inspection Issues (2-4 States, FDA and ACR)  
                  ALARA issues  
                  Reference Levels  
                  ACR Accreditation  
                  US regulatory activities – federal and state activities  
                  Dose/shielding gaps in regulations  
                  State shielding plan reviews  
                  Issues regarding combination of equipment  
                  Operator Certification/Licensure  
                  International community – IEC activities (standards)
- 12:00-1:30    Lunch
- 1:30-3:00    Emerging Technologies  
              Yttrium 90-thera spheres  
              Gliaside  
              Intravascular brachytherapy  
              Monoclonal antibodies
- 3:00-3:30    Break
- 3:30-5:30    Panel discussion - Regulatory Perspective on Emerging Technologies  
              State(s) and NRC presentations

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**Day Three**

- 8:00-9:15 Training/Cross Training Issues 15-20 min presentations by representative from ASRT, FDA, ACR, SNMTS then open discussion
- 9:15-10:00 Suggested State Regulation Council presentation of current regulations and changes needed
- 10:00-10:30 Break
- 10:30-11:30 Future Task Panel/Suggestions
- 11:30 Concluding Remarks



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December 15, 2003

Dear Symposium Attendee,

You have been selected to attend the *National Symposium on Fusion Imaging and Multimodalities: Technical and Regulatory Considerations* that is sponsored by the Conference on Radiation Control Program Directors, Inc. (CRCPD). The symposium is being held at the Marriott Kansas City Downtown, Kansas City, Missouri on February 18-20, 2004. It is made possible through the financial assistance provided by the American College of Radiology (ACR), the Food and Drug Administration (Center for Devices and Radiological Health) (FDA/CDRH), the American Association of Physicists in Medicine (AAPM), the American Society of Radiological Technologists (ASRT), and the Society of Nuclear Medicine Technologists Section (SNMTS).

The symposium will address technical and regulatory issues surrounding CT, PET, the fusion of PET and CT, and new radiopharmaceutical and brachytherapy procedures. Attendees at this symposium will include representatives from State Radiation Control Programs, AAPM, ACR, ASRT, FDA, SNMTS, NRC, and industry. The symposium will offer a forum for discussion of both current and future state activities addressing fusion imaging and multimodalities emerging technologies. It also offers an opportunity to acquire the latest information as well as training in these areas. A tentative agenda for the symposium is attached. This is also posted on the CRCPD web page <[www.crcpd.org](http://www.crcpd.org)> under the 'Meetings' menu and will be updated as needed.

CRCPD will produce the proceedings from this symposium on CD and on the web site. This document will include the attendees list and a summary report.

Although there is no registration fee for this symposium, you will be responsible for your travel, lodging, and per diem expenses unless otherwise notified by CRCPD. You will need to complete the attached registration form so that name badges and an attendee list can be generated. Please return the completed registration form to Sharon Bowen at CRCPD no later than February 6, 2004. Additional information pertaining to the symposium is also attached.

If you have specific questions, please contact us via email or phone: Mary Ann Spohrer (<[spohrer@iema.state.il.us](mailto:spohrer@iema.state.il.us)> or 217/785-9916) or Ron Fraass (<[rfrass@crcpd.org](mailto:rfrass@crcpd.org)> or 502/227-4543 ext. 2222).

Sincerely,

Mary Ann Spohrer, Chair  
Task Force on New Modalities

Executive Director  
Conference of Radiation Control  
Program Directors, Inc. (CRCPD)

MAS/RGF/ss  
Attachments (3)

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