



X. Ulusal Medikal Fizik Kongresi

01-04 Eylül 2005 Erciyes Üniversitesi - Kayseri



AAPM International Affairs Activities

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AAPM

- American Association of Physicists in Medicine
 - Physicists from countries throughout the world
 - IAC: International Affairs Committee

Committee Tree

AAPM Board

Administrative Committees

- International Affairs [Status]
 - African Affairs SC [Status]
 - Asian Oceanic Affairs SC [Status]
 - European Affairs SC [Status]
 - Exchange Scientist Program SC [Status]
 - International Scientific Exchange Programs SC [Status]
 - Latin American Affairs SC [Status]
 - Middle East Affairs SC [Status]

Committee Keywords - IA , IAC

Members - 2005 Roster

 Bourland, J. Daniel	- [conflict of interest information]
1/1/2000 Member - Chair, African Affairs Subcommittee (ex officio)	
1/1/2000 Member - Delegate International Organization for Medical Physics	
 Cygler, Joanna E.	- [conflict of interest information]
1/1/2005 Member - Chair, European Affairs Subcommittee	
 Frey, G. Donald	- [conflict of interest information]
1/1/2001 Member - Delegate International Organization for Medical Physics	
 Mahesh, Mahadevappa	- [conflict of interest information]
1/1/2001 Member - Curator for Partners in Physics Program (ex officio)	
 Marinello, Ginette	- [conflict of interest information]
1/1/2003 Member - Chair, European Affairs Subcommittee - European Affairs Subcommittee (ex officio)	
 Mower, Herbert W.	- [conflict of interest information]
1/1/2001 Member - Liaison from International Education Funding Subcommittee	
 Mustafa, Adel A.	- [conflict of interest information]
1/1/2001 Member - Co-Chair International Scientific Exchange Programs Subcommittee (ex officio)	
 Niroomand-Rad, Azam	- [conflict of interest information]
1/1/2001 Chair - Co-Chair, International Scientific Exchange Programs Subcom (ex officio)	
 Pipman, Yakov M.	- [conflict of interest information]
1/1/2002 Member - Chair, Latin American Affairs Subcommittee (ex officio)	
 Sprawls, Perry	- [conflict of interest information]
1/1/2001 Member - Consultant - IOMP Delegate	
 Wilkinson, D. Allan	- [conflict of interest information]
1/1/2005 Member	
 Wu, Raymond K.	- [conflict of interest information]
1/1/1997 Member - Chair, Asian Oceanic Affairs Subcommittee (ex officio)	
1/1/2000 Member - Chair, Exchange Scientist Program Subcommittee (ex officio)	

– Interested AAPM members active in:

- International Library Program

- 68 active libraries in 41 countries, including Turkey
- Private donations are the major source of materials
- “Active status” maintained by returning questionnaire every 2 yr
- Curator: Allan Wilkerson

- Partners in Physics Program (PIP)

- Supplementing (1/2) cost of AAPM membership dues
- 54 beneficiaries from 25 countries
- Sponsors include Regional AAPM chapters, other organizations
- Curator: M. Mahesh

- Exchange Scientist Program (ESP)
 - Pool of “qualified exchange scientists”
 - Currently 24 AAPM members
 - ESP website open to general public
- Services provided to host institutions
 - Requests and applications are reviewed
 - Scientist(s) travel to site (e.g., two trips of ~3 weeks each)
 - Budget?
 - Provided by program via AAPM and other sources

- International Scientific Exchange Program (ISEP)
 - Mutual information exchange between countries
 - AAPM and IOMP sponsored events

the web site of the American Association of Physicists in Medicine

aapm
online

Organizational Structure of AAPM

International Scientific Exchange Programs Subcommittee
Email Alias: <2005.zISEP@aapm.org> | [ISEP Website](#)

Bylaws Not Referenced.
Rules Not Referenced.

Members - 2005 Roster

 Aissi, A. Madjid - [conflict of interest information]
1/1/1997 Member - <i>Consultant - Egypt</i>
 Al-Ghazi, Muthana S.A. L. - [conflict of interest information]
1/1/2000 Member - <i>Consultant - Saudi Arabia</i>
 Alecu, Rodica - [conflict of interest information]
1/1/1997 Member - <i>Consultant - Romania</i>
 Bourland, J. Daniel - [conflict of interest information]
1/1/2000 Member - <i>Chair, African Affairs Subcommittee (ex officio)</i>
 Fontenla, Doracy P. - [conflict of interest information]
1/1/1992 Member - <i>Consultant - Brazil</i>
 Huq, M. Saiful - [conflict of interest information]
1/1/1997 Member - <i>Consultant - Bangladesh</i>
 Likhovetsky, Ronya - [conflict of interest information]
1/1/1997 Member - <i>Consultant - Russia</i>
 Mustafa, Adel A. - [conflict of interest information]
1/1/2002 Co-Chair
1/1/2005 Member - <i>Chair, Middle East Affairs Subcommittee</i>

- ISEP – D (Diagnostic focus)
- ISEP – T (Therapy focus)

 Niroomand-Rad, Azam - [conflict of interest information]
1/1/2002 Co-Chair - <i>Consultant-Tanzania</i>
 Pacyniak, John M. - [conflict of interest information]
1/1/2005 Member - <i>Chair, European Affairs Subcommittee</i>
1/1/1992 Member - <i>Consultant - Poland</i>
 Parsai, E. Ishmael - [conflict of interest information]
1/1/1996 Member - <i>Consultant - Thailand</i>
 Pipman, Yakov M. - [conflict of interest information]
1/1/2002 Member - <i>Chair, Latin American Affairs Subcommittee (ex officio)</i>
 Rabbani, Bouchaib - [conflict of interest information]
1/1/1997 Member - <i>Chair, African Affairs Subcommittee (ex officio)</i>
 Shah, Saiyid M. - [conflict of interest information]
1/1/1992 Member - <i>Consultant - Philippines</i>
 Wu, Raymond K. - [conflict of interest information]
1/1/1990 Member - <i>Chair, Asian Oceanic Affairs Subcommittee (ex officio)</i>

- How is ISEP supported?
 - Industrial sponsors
 - AAPM funds (mainly for scientist travel)
 - Host country support
 - Interest from the host country (or region)

Previous and future courses

- ISEP-Therapy course & workshop programs
 - 13th August 23-27, 2004 in **Chengdu, China**
 - 14th August 1-5, 2005 in **Manila, Philippines**
 - 15th 2006; **Nepal** (Drs. Das & Azam, directors)
 - 16th 2007; **Qatar** (Dr. Al-Ghazi, director)
 - 17th 2008; **Czech Republic** (Drs. Marinello & Cygler, directors)
 - 18th 2009; **Malaysia** (Dr. Cheng B. Saw, director)
 - 19th 2010; **To be determined.....**

- ISEP-Diagnostic course & workshop programs
 - Director Dr. Adel Mustafa
 - 1st November 13-17, 2002 **Sao Paulo, Brazil**
 - 2nd November 2003 **?**
 - 3rd November 2004 **Egypt**
 - 4th November 7-11, 2005 **Yaounda, Cameroon**
Drs. Azam and Mustafa, directors
 - 5th 2006; **India** Dr. M. Mahesh, director
 - 6th 2007; **to be determined**

- What is a typical course?
 - Example, November 2002 in Sao Paulo, Brazil:
“Advances in Diagnostic Radiology and
Nuclear Medicine Physics”
Course directors:
Adel Mustafa Ph.D. (AAPM)
Helvecio Mota Ph.D. (Brazil)

Daily time schedule

8:30 – 10:30	Lectures
10:30 – 11:00	Break
11:00 – 12: 30	Lectures
12:30 – 14:00	Lunch
14:00 – 16:30	Lectures

Typical Agenda (diagnostic)

- Program
 - Welcome
 - Introduction to image formation and image quality
 - Advances in conventional radiography
 - Advances in fluoroscopy & interventional procedures
 - Digital imaging technology for radiography
 - CT principles: Conventional to Multislice
 - Nuclear Medicine imaging: instrumentation and conventional
 - Mammography (conventional and digital)
 - CT image quality and patient dose
 - Emerging role of new radionuclides
 - Risk / benefits in radiology

- Program (continued)
 - Ultrasound
 - PET/CT
 - Radiation safety in nuclear medicine
 - Minimizing risks from interventional fluoroscopy
 - Role and responsibilities of diagnostic imaging physicists
 - New methods for shielding calculations
 - MRI: physical principles and instrumentation
 - MRI: image formation and pulse sequences
 - MRI: Parallel imaging techniques
 - Totally digital department: PACS and IMACS
 - Quality assurance in general radiology
 - Quality assurance in special procedures radiology

- Program (continued)
 - Role of MRI in radiation therapy treatment planning
 - Role of functional PET and SPECT in therapy planning
 - Training of medical physicists in diagnostic radiology
- Translation services are typically provided
- A CD-ROM of the proceedings is provided to the attendees, either in .ppt or .pdf format
- Goal is to provide state-of-the-art training in diagnostic and therapeutic radiological imaging physics by experts in the field

- Faculty from AAPM / IOMP *and* local faculty contribute
- Intent is to provide a two-way communication.....
- Program is extensive and complete
- Notes, CD ROM, translation services for attendees
- Fees for attendance kept reasonably low.....

Summary

- International Affairs Committee structure
 - ISEP (International Scientific Exchange Program)
 - African Affairs
 - Asian Oceanic Affairs
 - European Affairs
 - Latin America Affairs
 - Middle East Affairs
 - Request for list of contacts for different regions
 - Contacts: Iran, Lebanon, Bahrain, Saudi Arabia, Israel....
 - Challenging: Iraq, Syria, and Lebanon.
 - Contacts for Turkey??
- Interaction?
 - Important to make contacts for therapy AND diagnostic physics

- For possible ISEP interactions, please let me know and I will forward a message of interest to the appropriate personnel at the AAPM
- Thank you!
- INTERNET:
<http://aapm.org>