

SDAMPP



2011 Business  
Meeting

# Agenda

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1. Review / approval of minutes
2. President's address
3. President's report
4. Treasurer's report
5. Secretary's report
6. Special recognition
7. Task Group activities and reports
8. Open forum – general discussion

1.  
Approval of 2010 minutes



2.

# President's Address



SDAMPP 2011 Presidential Address

**Medical Physics  
Education: Priorities  
and Opportunities**

**Ehsan Samei**

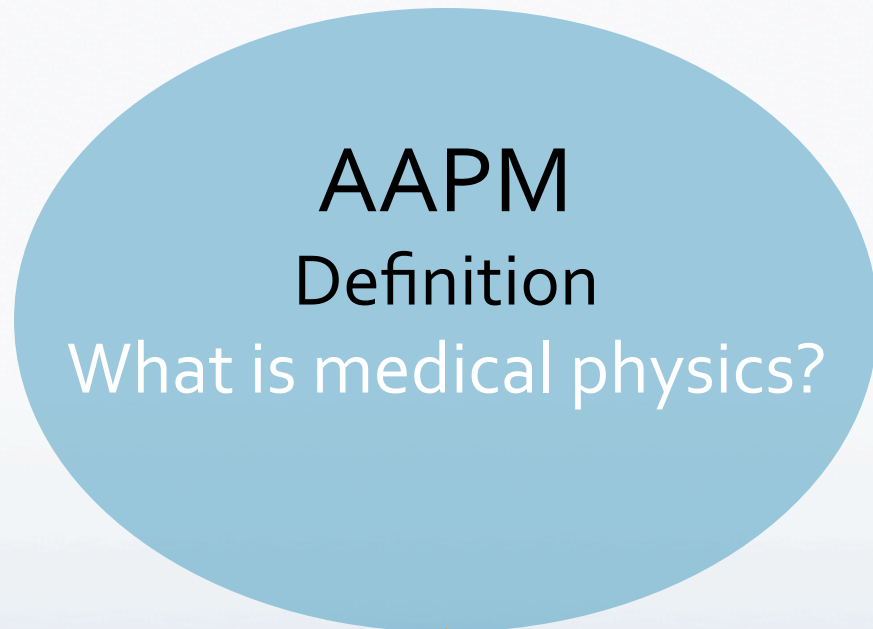
# Outline

- Identity
  - Where do we stand professionally?
- Approach
  - What is medical physics and medical physics education?
- Practice
  - How are we doing currently?

# Identify

A society of the leaders of med phys educational programs

1. **Coordination** within and between graduate programs and residencies
2. **Communication** between program directors and AAPM, CAMPEP, ABR
3. Primary, but not exclusive, focus on fostering **educational best practices**
4. Encouraging improved educational **consistency**
5. **Monitoring** production of medical physics trainees
6. Assisting **new programs** to get started
7. Providing a **forum for discussion**





# Approach

- What are we teaching? What is medical physics?
- Content: a core of basic knowledge
- Methodology: scientific rigor
- Applicability: to clinical problems
- Culture: how to relate and practice

**Knowledge**  
Knowing things  
Didactic courses  
and exercises

**Clinical skills**  
Knowing how to do things  
Hands-on clinical exposure  
and training

**Science**  
Knowing how to  
scientifically engage problems  
Basic and clinical research

**Profession**  
Knowing the etiquette  
of the profession  
“Ecosystem”

# Practice

- Remarkable improvement in educational norms, consistency, and quality
- Limited coordination between programs
- A wide gap between # of graduates
  - Steady (but slow) growth of residencies
- CAMPEP/SDAMPP annual surveys
  - Led by Ed Jackson
  - Preliminary data from 2011 survey
  - 33 grad programs
  - 36 residency programs

# Summary – grad survey

## DRAFT

- ~30% admission rate
- ~50% matriculation rate
  - Sharp drop in international PhDs (44 to 20%)
  - 70% male
- 220+ graduates per year (2/3 MS)
  - 50% MSs went to junior positions
  - 30% PhDs went to residencies
- 5 new programs contemplating DMP
- No major changes in planning residencies

# Summary – res survey

## DRAFT

- ~4% admission rate
- ~70% matriculation rate
  - 50% CAMPEP, 30% non-MP, 30% MS
  - 70% male, 75% domestic
- ~55 opening in 2010 (50 in therapy)
- ~45 graduates in 2010 (40 in therapy)
- 12 programs considering more slots
  - 22 in therapy, 3 in imaging

# Challenges, (and perhaps) opportunities

- Identity
  - How to establish and ensure the place of SDAMPP in the medical physics educational enterprise?
- Approach
  - How to establish consensus and guidelines for educational best practices?
  - How to maintain a measured balance between the 4 components of the med phys education?
- Practice
  - How to help to bring about balance between graduate education, residency, and workforce needs?

# 3. President's report



Collaboration with ABR/ AAPM/ CAMPEP

Election and nomination

Membership

Task groups

Committees

# Collaboration with ABR, AAPM, CAMPEP

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- ❧ Participation in educational summit meetings
- ❧ Participation in annual leadership meetings with ABR and AAPM
- ❧ 2011 agenda items:
  - ❧ MS graduate-residency disconnect
  - ❧ Clarification of differing roles of organizations
  - ❧ 2014 effect on DI and NM specialties
  - ❧ AAPM/SDAMPP international educational exchange
  - ❧ Structured mentoring
  - ❧ Residency start date
  - ❧ Residency/DMP verification form



# Election and nomination



President:	Ehsan Samei
President-elect:	John Bayouth
Board Chair:	Jim Dobbins
Secretary:	Beth Schueler
Treasurer:	Sam Armato

At-Large Board members:

Jim Zagzebski  
Dan Bourland  
Charlie Coffey  
Ed Jackson  
Ervin Podgorsak  
Amy Harrison

# Election and nomination



President-Elect: Dan Bourland  
Gino Fallone

Treasurer: Sam Armato

Board Member At-Large (residency):

Arthur Boyer  
Jean Germain  
Amy Harrison  
Fang-Fang Yin

Board Member At-Large (graduate programs):

Jay Burmeister  
Edward Jackson

# Membership



- ∞ 103 members (as of July 30, 2011)
  - 57 Residency program directors
  - 45 Graduate program directors
  - 1 DMP program director
- ∞ 23 in the pipeline
- ∞ 126 anticipated membership by Dec 2011
  - 72 Residency program directors
  - 53 Graduate program directors
  - 1 DMP program director

# Task groups

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- ❧ TG1 (Samei), 2014 impact
- ❧ TG2 (Fullerton), Research education
- ❧ TG3 (Dobbins), Education journal
- ❧ TG4 (Fullerton), American-Spanish educational exchange
- ❧ TG5 (Clarke), Didactic training for alternative pathway\*
- ❧ TG6 (Yin), Strategies for core med phys training\*

# Committees



1. Annual meeting (Bayouth, Zagzebski)
2. Nomination (Giger, Fullerton)
3. Statistics and outcome (Jackson)
4. Membership (Samei, Rudin, Coffey)
5. Webpage (Samei, Clarke)
6. Corporate relationships (Vanek)
7. Educational best practices (Armato)
8. Professional issues
9. Finance
10. Global activities
11. Trainees affairs
12. Outreach



## The Society of Directors of Academic Medical Physics Programs

Welcome

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### SDAMPP

SDAMPP is a nonprofit organization whose prime objective is the advancement of education in the scientific field of medical physics. This objective is pursued through discussions, meetings, collaboration, and the shared perspectives of those in positions of leadership within academic programs of medical physics. The Society has the following missions in furtherance of this objective:

- a. To promote the advancement of medical physics education worldwide;
- b. To encourage coordination between academic medical physics programs;
- c. To foster establishment of educational best practices in medical physics;
- d. To monitor production of medical physics trainees relative to the job market;
- e. To assist new academic medical physics programs in getting started;
- f. To foster coordination of the graduate and residency elements of medical physics training;
- g. To provide a forum for discussion among leaders of academic medical physics programs;
- h. To serve as a voice for leaders of academic medical physics programs;
- i. To engage leaders of academic medical physics programs around the world to provide better and more consistent medical physics training.

### Important Information and Possible Action Required

- [Letter to Students Re: Information regarding 2012/2014 ABR Board eligibility changes](#)
- [Letter to Program Directors Re: Information regarding 2012/2014 ABR Board eligibility changes and its impact on your students and your program](#)

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#### SDAMPP is the Society of Directors of Academic Medical Physics Programs

One Physics Ellipse  
 College Park, MD 20740  
 Phone 301-209-3377  
 Fax 301-209-0862  
 Send general questions to [sdampp@sdampp.org](mailto:sdampp@sdampp.org)

SDAMPP is new society formed to facilitate the interaction of key leaders in academic medical physics programs. SDAMPP aims to provide program directors many of the needed resources. Unless otherwise noted, all material on the SDAMPP webpage is copyrighted by SDAMPP. Use with prior permission.

# 4. Treasurer's report



## July 2011 balance

\$6,108

## 2010 Expenses outstanding

AAPM loan	\$1,000
AAPM staff support	\$1,000
AAPM staff support set-up fee	\$2,700
legal fees	\$5,001

**2010 NET (\$3,593)**

## 2011 Income (estimated)

dues	\$9,000
90 members @ \$100	

## 2011 Expenses (budgeted)

AAPM staff support	\$5,616
Annual meeting lunch	\$1,250
Annual meeting AV	\$500
Board conf. calls	\$200
Web design	\$300
Travel to AAPM Summit	\$1,600

**2011 NET (\$466)**



- After 2011, SDAMPP will have a total **debt** of  
$$\$3,593 \text{ (2010)} + \$466 \text{ (2011)} = \mathbf{\$4,059}$$
- Unless membership increases appreciably, the minimum projected annual expenses will not be covered by the dues collected each year
- Dues should be increased to
  - cover core annual expenses
  - allow expansion of SDAMPP activities
  - begin to pay down existing debt

# 5. Secretary's report



Comments on membership due increase

# Secretary's Report

SDAMPP Business Meeting

July 30, 2011

Vancouver, BC

Beth Schueler

# SDAMPP Election

- Candidates for 2012

- President-Elect:

- J. Daniel Bourland

- B. Gino Fallone

- Treasurer:

- Samuel G. Armato

# SDAMPP Election

- Board Member At-Large (from graduate programs, select 1):
  - Jay W. Burmeister
  - Edward F. Jackson
- Board Member At-Large (from residency programs, select 2):
  - Arthur L. Boyer
  - Jean St. Germain
  - Amy S. Harrison
  - Fang-Fang Yin

# SDAMPP Election

- E-mail ballot to be sent: Aug 27
- Return deadline: Sept 10
- Results to be announced: Oct 1

# Update on Membership

- Membership invitations were sent in Dec 2010 to 120 individuals
- As of July 13
  - 103 have accepted the nomination
  - 86 members submitted 2010 dues
    - Regular members: 78
    - Emeritus members: 2
    - Associate members: 6

# Membership Categories

- Regular Members (voting)
  - Currently engaged in senior leadership positions
- Emeritus Members (voting)
  - Formerly held positions of senior leadership
- Honorary Members (non-voting)
  - Rendered outstanding service in the field of medical physics education, but not otherwise qualify for membership
- Associate Members (non-voting)
  - Interested in medical physics education and SDAMPP, but ineligible for other categories of membership



# Update on Tax-Exempt Status

- 501(c)(3) tax-exempt status was approved Feb 2011 and effective back to date of SDAMPP incorporation (Aug 2008)

# Dues Increase Proposal

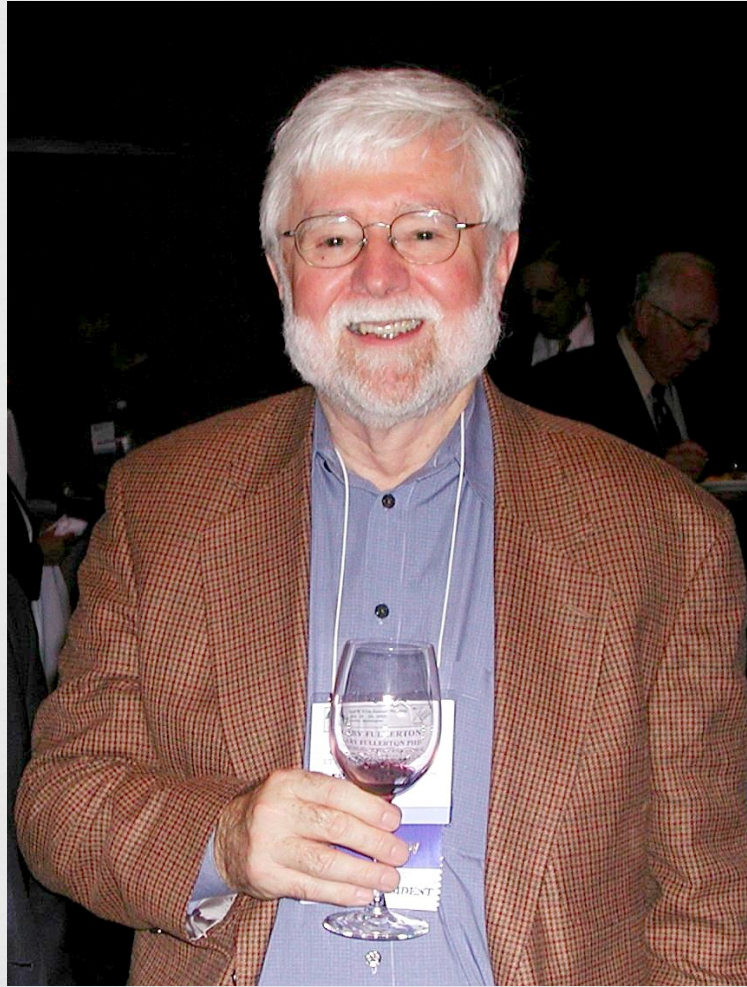
- Proposal for 2012
  - Regular Member: \$150
  - Emeritus Member: \$150
  - Honorary Member: \$75
  - Associate Member: \$75
- Membership informed 5-26-2011 to solicit comments
  - 1 comment received asking for additional justification
- Electronic vote planned for after meeting

# 6. Special recognition



# Special recognition

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**Gary Fullerton**

7.

# Task group reports



SDAMPP 2011

**SDAMPP 2011  
TG1 progress report**

# TG1 membership

- John Bayouth
- Jay Burmeister
- Geoff Clarke
- James Dobbins
- Gary D Fullerton
- Maryellen Giger
- Ed Jackson
- Mike McNitt-Gray
- Ehsan Samei (chair)
- Jim Zagzebski

# TG1 charge

- To evaluate the role of the proposed Doctor of Medical Physics Education Program as means to address the 2014 mandate.
- To evaluate the role of graduate education requirements within the 2014 mandate.



# Issues under discussion

- Impact on research and science training
- Stratification in the field
- # of PhD students
- # of MS students
- Financial effects
- Impact of proposed certificate programs

# Progress to date

- 2009: Completed a survey of the medical physics education community about DMP initiative

Report at [www.sdampp.org](http://www.sdampp.org)

- 2010: Draft report focused specifically on the impact on graduate programs
- 2011: P/CP (Samei/Button) *The 2014 initiative can have potentially unintended negative consequences in the state of medical physics for diagnostic imaging and nuclear medicine*



# **SDAMPP TG#2: RESEARCH EDUCATION**

**Chairman: Gary Fullerton**

**Members: Dave Rogers, Jim Zagzebski**

**Bill Hendee, Ken Hogstrom**

# SDAMPP

## TASK GROUP #2 CHARGE

- **To clarify the core elements of research training in medical physics graduate education and to provide definition of required scientific competencies for clinical research in medical physics.**



# SDAMPP

## TASK GROUP #2 ACTIONS

- Decision to coordinate with the AAPM Working Group called FUTURE and chaired by Thomas Bortfeld and Robert Jeraj. Their charge is
  - "To initiate, coordinate and lead activities to secure sustainable growth and improvement in the long-term future environment for high quality research and academic training of physicists in medicine “
- Decision to evaluate research publication trends over the past 15 to 20 years in Medical Physics.
  - Bill Hendee was recruited as a Task Group member and willing to use Medical Physics resources to gather and summarize information for a report on research trends.
- First live meeting in Vancouver, 2011



# SDAMPP

## TASK GROUP #2 GOALS AND TIMELINE

- Coordinate with the AAPM Working Group called FUTURE and chaired by Thomas Bortfeld and Robert Jeraj by action in Vancouver.
- Evaluate research publication trends over the past 15 to 20 years in Medical Physics in 2011 to objectively evaluate changes due to increased focus on clinical training.
- Preliminary report at RSNA Chicago, 2011 on statistical analysis of trends in research.
- Define core elements for future medical physics research education programs with special focus on needs post-2014 changes in clinical medical physics training based on research trends with final report at AAPM/SDAMPP Annual meeting 2012.





# **SDAMPP TG#4: AMERICAN-SPANISH STUDY EXCHANGE PROGRAM**

**Chairman: Gary Fullerton**

**Members: Arthur Boyer, James Chu  
Jeff Williamson**



# SDAMPP

## TASK GROUP #4 CHARGE

- **To assist AAPM and Spanish Federation of Medical Physics (SFMP) by identifying medical physics educational centers of excellence in the USA to host medical physicists from Spain for a period of 3 to 6 months to provide goal specific medical physics training.**
- **To report names of host institutions to the AAPM Subcommittee chaired by Dr. Cari Borrás to complete negotiations and placing.**





## SPANISH PHYSICISTS NOMINATIONS BY SEFM – JOSE ARMAS-HERNANDEZ, CHAIR

- Juan Luis Perez-Molina – Radiation Oncology Physicist, Hospital Universitario de Gran Canaria “Dr. Negrín”, Las Palmas de Gran Canaria, Spain.
- Juan Maria Perez-Moreno – Radiation Oncology Physicist, Cancer Center Clara Campal, as part of the Hospital Madrid Sanchinarro, Madrid Spain



# SDAMPP

## TASK GROUP #4 ACTIONS

- The initial efforts of the Task Group to seek volunteers from the SDAMPP membership were unsuccessful.
- Task Group met by phone and agreed to solicit institutions of excellence as possible host institutions by direct e-mail and phone contacts. Four institutions were contacted and agreed to host a Spanish Medical Physicist:
  1. University of Wisconsin – Madison
  2. University of Colorado – Denver
  3. University of Texas – MD Anderson, Houston
  4. Memorial Sloan Kettering – New York



# TG3: Consideration of a journal of SDAMPP focused on MP education

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A proposal is being considered to start a journal focused on data and information of importance to MP educational leaders.

## *Attributes:*

- Solely an on-line journal
- Peer-reviewed
- Published perhaps twice a year

## *Possible sections:*

- Invited papers
- Proffered papers
- Case studies (summaries of various educational programs)
- Editorials/letters
- News and announcements

## TG3: cont' d

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### *Potential advantages:*

- By being peer-reviewed, would encourage individuals to submit quality material that is citable
- Would promote higher quality dialogue than a blog, for example
- Would be available to program leaders who may not be able to attend annual SDAMPP meeting
- Being online only, costs would be minimized

### *Other considerations:*

- Would need to coordinate well with AAPM Ed Council
- Possible alternatives would include a newsletter or including such manuscripts in the journal Medical Physics
- Articles would need to be substantial - more than lengthy editorials
- Editions could focus on a theme: e.g., DMP, impact of 2014 mandate, educational best practices, financial models of programs, role of research in MP training
- Charge a minimal subscription fee or include in SDAMPP dues?
- Overall financial model will need to be evaluated

# 8. Open forum



Mission and priorities of SDAMPP  
Engagement of committees (TG vs committee models)