

AMERICAN ASSOCIATION of PHYSICISTS IN MEDICINE
Advancing Medicine Through Excellence in the Science, Education and Professional Practice of Medical Physics

**VOLUNTEERING WITH THE AAPM:
WHY DO IT AND HOW TO GET INVOLVED.**

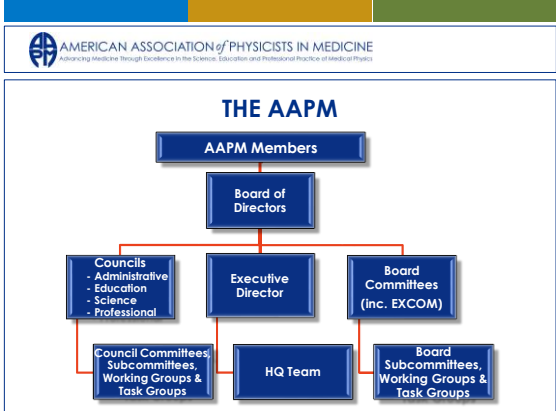
Cynthia McCollough, PhD, DABR, FACR, FAIMBE, FAAPM
Brooks-Hollern Professor
Professor of Medical Physics and Biomedical Engineering
Department of Radiology
Mayo Clinic, Rochester MN
President, AAPM

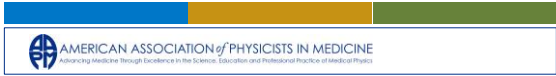
1631 Prince Street, Alexandria, VA 22314 | 571-298-1300 | www.aapm.org

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AAPM LEADERSHIP & STRUCTURE

1631 Prince Street, Alexandria, VA 22314 | 571-298-1300 | www.aapm.org

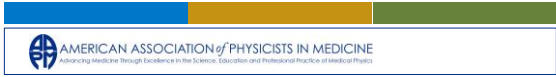




AAPM 2019 "EXCOM"

- Bruce Thomadsen, Chair of the Board
- Cynthia McCollough, President
- M. Saiful Huq, President-Elect
- James T. Dobbins, III, President-Elect Designate
- Susan Richardson, Secretary
- Mahadevappa Mahesh, Treasurer
- Angela Keyser, Executive Director

1631 PRINCE STREET
ALEXANDRIA, VA



- **Vision:**
 - Improving health through medical physics
- **Mission:**
 - Advancing medicine through excellence in the science, education and professional practice of medical physics



AMERICAN ASSOCIATION of PHYSICISTS IN MEDICINE
Advancing Medicine Through Excellence in the Sciences, Education and Professional Practice of Medical Physics

STRATEGIC GOALS

Innovation: Drive scientific and clinical innovation in medical physics to improve human health.

Patient Care: Ensure high quality patient care

Education: Cultivate excellence in medical physics education.


Leadership: Promote leadership role of the organization and its members.

Communication: Improve communication internally and externally.

Diversity and Inclusion: Champion equity, diversity, and inclusion in medical physics

Membership: Enhance the value of AAPM membership experience and services.

Organizational Management: Practice stewardship in continuous assessment of programs and services.



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AAPM

- 8823 Members (average age: 48)
- 5984 Full Members (average age: 48)
- 1402 Member Volunteers
- 533 Non-Member Volunteers
- 23% of eligible members volunteer!
- 30 headquarters staff



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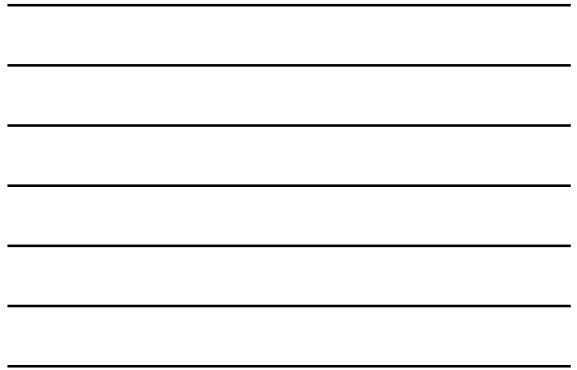
AAPM COMMITTEES

- “Groups” (council/comm/subcomm/WG/TG)
 - Administrative Council: 60 Committees
 - Educational Council: 35 Committees
 - Professional Council: 43 Committees
 - Science Council: 175 Committees
 - Board of Directors: 16 Committees

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NAVIGATING THE AAPM WEBSITE

- My AAPM
 - https://w3.aapm.org/my_aapm/index.php
- Committee structure
 - https://www.aapm.org/org/structure/default.asp?committee_code=BRD
- Committee tools
 - https://www.aapm.org/org/structure/?committee_code=SC
- Committee classifieds
 - https://www.aapm.org/aapm_advertising/committee_classifieds/



AAPM COMMITTEE TREE

Board of Directors (BRD)

Committee Website | Directory Committee | Membership

Email You may send email to this group now using gmail or outlook, or You may send email to this group now using gmail or outlook. You may also email 2019.BRD@aapm.org to your local address book. This also updates hourly from the AAPM Directory.


Bylaws: Article I **Rules:** 1.0

Approved: n/a

Committee: BRD

Keywords:

Chair



Bruce P. Prather
Chair of the Board

- Board of Directors
 - Ad Hoc Committee for Review of Medical Physics Journal Editorial Team and Oper. (Status)
 - Ad Hoc Committee on Education and Implementation Efforts for Discontinuing the (Status)
 - Ad Hoc Committee on Indexing AAPM Website Content (Status)
 - Ad Hoc Committee on MR Imaging in Radiation Therapy (Status)
 - Ad Hoc Committee on Recommendations for Better Integrating Radioisotope Therapy (Status)
 - Ad Hoc Committee on the demand for and supply of imaging medical physicists... (Status)
 - Ad Hoc Committee on the Nomination Procedure (Status)
 - Ad Hoc Committee to Help Integration of Effort (Status)
 - Administrative Council (Status)
 - Audit Committee (Status)
 - Board of Directors (Status)
 - Calibration Laboratory Accreditation Executive Committee (Status)
 - Education Council (Status)
 - Executive Committee (Status)
 - Finance Committee (Status)
 - JACMP Board of Editors (Status)
 - Medical Physics Editorial Board (Status)
 - MedPhys Match Executive Committee (Status)
 - Nominating Committee (Status)
 - Professional Council (Status)
 - Rubio Committee (Status)
 - Science Council (Status)
 - Strategic Planning Committee of the Board (Status)
 - Status Reports from AAPM Groups



AAPM COMMITTEE TREE

Science Council (SC)

Committee Website | Directory Committee | Membership

Email You may send email to this group now using gmail or outlook, or You may send email to this group now using gmail or outlook. You may also email 2019.SC@aapm.org to your local address book. This also updates hourly from the AAPM Directory.


Charge The Science Council examines specific areas of medical physics to determine advancement mechanisms, addresses scientific questions, and collates and exposes data.

Bylaws: Article III, Section 6 **Rules:** 3.0

Approved: n/a

Committee: Big Data, Council, Data Science, Imaging, Radionics, Research, SC, Science, Keywords: Therapy.

Chair



Derrick J. Travis
Council Chair

- Board of Directors
 - Science Council (Status)
 - Data Sciences Committee (Status)
 - Imaging Physics (Status)
 - Research (Status)
 - Science Council Associates Mentorship Program (Status)
 - Technology Assessment Committee (Status)
 - TG278 Task Group on Combined Residency and Research Training in Medical Phys. (Status)
 - Therapy Physics (Status)
 - UNIT No. 34- PENTEC (Status)
 - Working Group on DICOM Coordination (Status)
 - Working Group on Future Research and Academic Medical Physics (FUTURE) (Status)
 - Working Group on IEC Coordination (Status)
 - Working Group on IEC SD (Status)
 - Working Group on Task Group Review Streamlining (Status)
- SC Council - Org Chart
- Status Reports from AAPM Groups



AAPM COMMITTEE TREE

Imaging Physics (IPC)

- bookmark this page (bookmarks show under "My AAPM" in the menu to left)

Committee Website | Directory: Committee | Membership

Email You may send email to this group now using gmail or outlook.
-or-
You may save the address 2019.IPC@aapm.org to your local address book. This alias updates hourly from the AAPM Directory.

Charge The IPC is a committee of the Science Council and has direct authority and responsibility over all AAPM scientific activities pertaining to diagnostic medical imaging. The IPC is designed to implement and advance the science of imaging physics through its own actions and in consultation with an extensive structure of subcommittees. The IPC has as its core mission the promotion, dissemination and advancement of physical and computational principles as applied to the broad field of medical imaging, computer aided detection and diagnosis, disease screening, technical advancements, and quality assurance.

Bylaws: Not Referenced. **Rules:** 3.8.2

Approved Date(s) n/a

Committee Diagnostic Imaging, IP, IPC

Keywords:

- Board of Directors
- Science Council (Status)
- Imaging Physics (Status)
 - Brachy X-Ray Imaging SC (Status)
 - Computed Tomography SC (Status)
 - Computer Aided Image Analysis SC (Status)
 - Imaging Informatics SC (Status)
 - Magnetic Resonance SC (Status)
 - Nuclear Medicine SC (Status)
 - Pediatric Imaging SC (Status)
 - Radiography and Fluoroscopy SC (Status)
 - Radiological Protection SC (Status)
 - TG248 - Task Group on Patient Dose from Diagnostic Radiation (Status)
 - Ultrasound SC (Status)
- Status Reports from AAPM Groups

Chair



Eric Gingold
Committee Chair

AAPM COMMITTEE TREE

Computed Tomography Subcommittee (CTSC)

- bookmark this page (bookmarks show under "My AAPM" in the menu to left)

Committee Website | Directory: Committee | Membership

Email You may send email to this group now using gmail or outlook.
-or-
You may save the address 2019.CTSC@aapm.org to your local address book. This alias updates hourly from the AAPM Directory.

Bylaws: Not Referenced. **Rules:** Not Referenced.

Approved Date(s) n/a

Committee CTSC

Keywords:

- Board of Directors
- Science Council (Status)
- Imaging Physics (Status)
 - Computed Tomography SC (Status)
 - TG336 - Quality Assurance for 3D printing in medical imaging and ra (Status)
 - TG200 - CT Dosimetry Phantoms and the implementation of AAPM Report Number 111 (Status)
 - TG291 - Task Group on Educational Report on Multi-Energy CT (Status)
 - TG293 - Task Group on Size Specific - Dose Estimate (SSDE) for Head CT (Status)
 - TG299 - Quality Control in - Multi-Energy Computed Tomography (MECT) (Status)
- Status Reports from AAPM Groups

Chair



John Boone
Subcommittee Chair

AAPM COMMITTEE TREE

Task Group No. 291 - Task Group on Educational Report on Multi-Energy CT (TG291)

- bookmark this page (bookmarks show under "My AAPM" in the menu to left)

No Website on file. | Directory: Committee | Membership

Email You may send email to this group now using gmail or outlook.
-or-
You may save the address 2019.TG291@aapm.org to your local address book. This alias updates hourly from the AAPM Directory.

Charge Prepare a report that teaches the fundamental principles of multi-energy CT, describes the various manufacturer implementations, introduces the various clinical applications available on specific systems, and addresses dosimetric considerations.

Bylaws: Not Referenced. **Rules:** Not Referenced.

Approved Date(s) 10/27/2016

Committee dual energy CT, Dual-energy CT, spectral CT, TG291

Keywords:

Most recent status update: 6/6/2019 8:27:07 PM - About to go to SC for review. Upon SC approval, I will submit to Med Phys. Upon Med Phys acceptance, and changes will be reviewed by SC chair. If acceptable, report will go to EXCOM for final approval. Click to update.

- Board of Directors
- Science Council (Status)
- Imaging Physics (Status)
 - Computed Tomography SC (Status)
 - TG291 - Task Group on Educational Report on Multi-Energy CT (Status)
- Status Reports from AAPM Groups

Chair



Cynthia McCollough
Task Group Chair

THE AAPM

Status Reports from AAPM Groups

View Task Groups | Working Groups | Sub-Committees | Committees | Councils

limit results to groups under ->

Do not limit results

FILE #	FILE DESCRIPTION	CHAIR	FILE PARENT COMMITTEE	FILE COUNCIL	FILE START DATE	FILE END DATE	ESTIMATED DATE OF COMPLETION
TC291	Task Group on Educational Report on Multi-Energy CT	Cynthia McCollough	Computed Tomography Subcommittee	SC	10/27/2016	1/31/2019	

Charge:
Prepare a report that teaches the fundamental principles of multi-energy CT, describes the various manufacturer implementations, introduces the various clinical applications available on specific systems, and addresses dosimetric considerations.

Homepage: None

Notes:
Approval of Task Group Report 2/20/2018 Approved

Latest Summary:
CYNTHIA McCollough, PhD, prepared on 6/6/2019 8:27:07 PM.
About to go to SC for review, upon SC approval, I will submit to Med Phys, upon Med Phys acceptance, and charges will be reviewed by SC chair. If acceptable, report will go to EDCOM for final approval.

Additional notes:
(edit)

AAPM COMMITTEE TREE

Task Group No. 291 - Task Group on Educational Report on Multi-Energy CT (TG291)

- bookmark this page (bookmarks show under "My AAPM" in the menu to left)

No Website on file. | Directory: Committee | Membership

Email: You may send email to this group now using ghal or outlook.

or You may see the address 2019 TG291@aapm.org to your local address book. This also updates itself from the AAPM Directory.

Charge: Prepare a report that teaches the fundamental principles of multi-energy CT, describes the various manufacturer implementations, introduces the various clinical applications available on specific systems, and addresses dosimetric considerations.

Bylaws: Not Referenced. **Rules:** Not Referenced.

Approved Dates: 10/27/2016

Committee: Dual energy CT, Dual-energy CT, spectral CT, TG291

Keywords:

Most recent status: 6/6/2019 8:27:07 PM - About to go to SC for review, upon SC approval, I will submit to Med Phys, upon Med Phys acceptance, and charges will be reviewed by SC chair. If acceptable, report will go to EDCOM for final approval. Click to update.

- Board of Directors
- Science Council (Status)
- Imaging Physics (Status)
- Computed Tomography SC (Status)
 - TG291 - Task Group on Educational Report on Multi-Energy CT (Status)
- Status Reports from AAPM Groups

Chair



Cynthia McCollough
Task Group Chair

- AAPM Members Only Information (Financial/Minutes/Virtual Meetings/Public Votes)
- TG291 - Task Group on Educational Report on Multi-Energy CT Members Only Information (Handbook/Vote File Upload)
- TG291 - Task Group on Educational Report on Multi-Energy CT Chair Information Only (Comm, Appl/Keywords)

AAPM Members Only Information (Financial/Minutes/Virtual Meetings/Public Votes)

Financial Information
Download Committee Tree Financial spreadsheet for TG291 (updated 7/15/2019 9:16:40 PM)

Minutes - None on file

Public Vote Information
Check the status of a vote (current or past)

Virtual Meeting/Teleconference
Use Doodle to find a time for your meeting
Schedule a new virtual meeting

Virtual Meeting History
Specializations of the members of this group

- Volunteers who have served on this committee**
- Kirsten Lee Boedeker, PhD History of Service
 - Dianna D. Cody, PhD History of Service
 - Xinhui Duan, PhD History of Service
 - Thomas G Flohr, PhD History of Service
 - Sandra Halliburton History of Service
 - Jiang Hsieh, PhD History of Service
 - Rick Robert Layman, Jr., PhD History of Service
 - Cynthia H. McCollough, PhD History of Service
 - Dr. Norbert J. Pelc, ScD History of Service

AMERICAN ASSOCIATION of PHYSICISTS IN MEDICINE
Improving Health Through Medical Physics

Committee Classifieds
Staff Contacts
Mission
Governance
History & Heritage (awards) ...

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AAPM Home / AAPM

The mission of AAPM is advancing medicine through excellence in the science, education and professional practice of medical physics, a broad-based scientific and professional discipline which encompasses physical principles with applications in biology and medicine. With 8866 members in 96 countries, AAPM supports the Medical Physics community with a focus on advancing patient care through education, improving safety and efficacy of radiation oncology and medical imaging procedures through research, and the maintenance of professional standards. AAPM has a staff of 30 and an annual budget of 10.5M, and is located at 1631 Prince Street, Alexandria, VA 22314.

AAPM publishes two scholarly journals: Medical Physics, and the Journal of Applied Clinical Medical Physics (JACMP), as well as an AAPM Report Series. AAPM sponsors three scientific meetings each year: a spring clinical meeting, a main summer annual meeting, and a fall scientific meeting (joint with the Radiological Society of North America). AAPM membership information and application forms are available online.

Home / AAPM

Public & Media Advertising Medical Physicist Students Corporate Affiliates Links of Interest Quick Links

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Public & Media

Home / Public & Media

Medical Physics
Medical Physics is an applied branch of physics concerned with the application of the concepts and methods of physics to the diagnosis and treatment of human disease. It is allied with medical electronics, bioengineering, and health physics.

What is a Medical Physicist?
Medical physicists contribute to the effectiveness of radiological imaging procedures by assuring radiation safety and helping to develop improved imaging techniques (e.g., mammography CT, MR, ultrasound). They contribute to development of therapeutic techniques (e.g., prostate implants, stereotactic radiosurgery), collaborate with radiation oncologists to design treatment plans, and monitor equipment and procedures to ensure that cancer patients receive the prescribed dose of radiation to the correct location.

What do Medical Physicists Do?
Medical physicists are concerned with three areas of activity: clinical service and consultation, research and development, and teaching. On the average their time is distributed equally among these three areas.

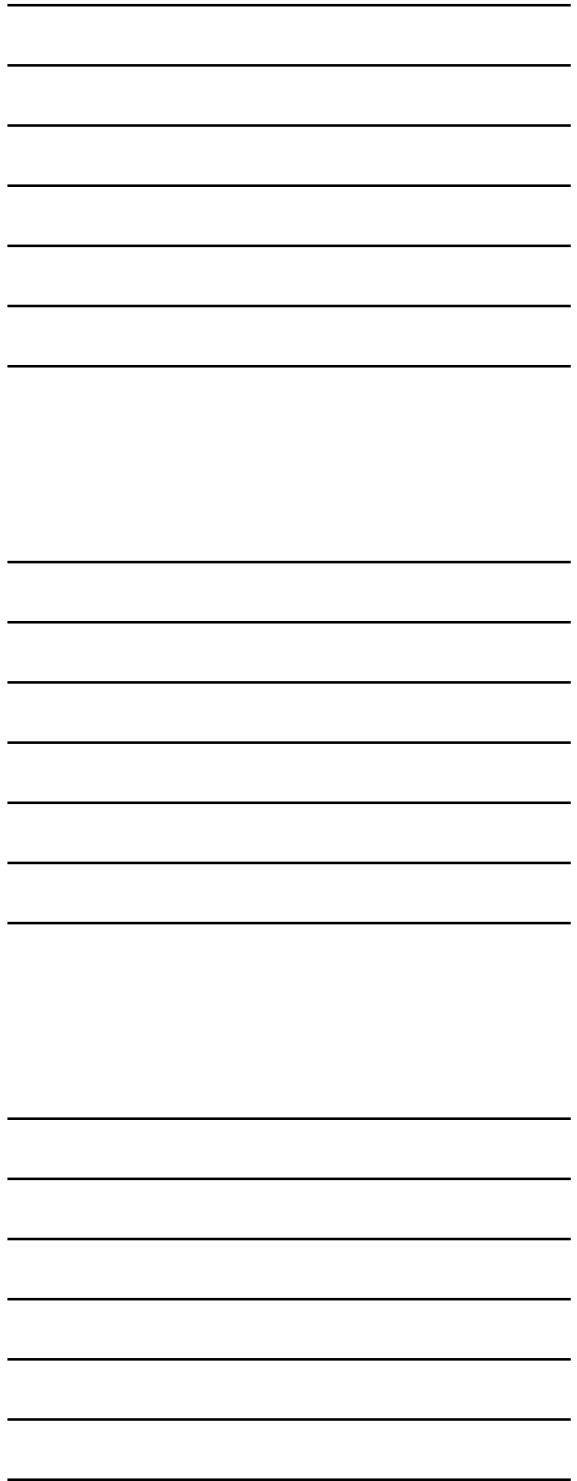
Informational Flyers
What does a Medical Physicist Do?

AAPM and Medical Physics

Clinical MR Physicist

Medical Physicists: Scientists in Patient Care

Ehsan Samei, Ph.D.



HOW TO GET INVOLVED

- Reach Out
- Show Up
- Speak Up
- Follow Up
- Show Enthusiasm
- Volunteer
- Work Hard
- Deliver

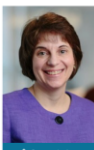
REACH OUT

- First, do your homework
 - Navigate the AAPM org chart up & down
 - Read the charges and past minutes
 - Look at Reports/Resources from various groups
 - Look at the membership
- Then, reach out
 - Do you know someone on group of interest? Call them!
 - Does a mentor, boss, coworker or friend know anyone? Have them write a letter of introduction
 - Send an email to the chair and vice-chair or to the chair and vice-chair of the parent group
- They won't know you, your interests or your expertise if you don't tell them

AAPM NEWSLETTER VOL 43:5 SEPT/OCT 2018

PRESIDENT ELECT'S REPORT Cynthia McCollough, PhD | Madison, WI

AAPM Newsletter — Volume 43 No. 5 — September | October 2018



Contact Author

Print Article

HOW TO VOLUNTEER — AND LEAD — IN AAPM?

Ask - **Learn** - **Build** - **Repeat** That was the message shared by Paul Brown during the 2018 Annual Meeting's President's Symposium. That is the message for creating the future that you want: the message is being a small step and repeat your goal and consider the outcomes/learn. Did the action take you closer to where you want to go, or was it a detour? If neither, come, modify it, build and then act again. Repeat. This is how you get from where you are to where you want to be.

Many people have asked me about leadership within AAPM, particularly how one can become a leader in our association. Dr. Brown's recipe is a great model to use to achieve this goal. So, let's start at the beginning with a new member of AAPM who wants to volunteer together with associates to serve the profession of medical physics through service to AAPM. A great place might look like this:

Action: Respond to AAPM yellow pages ad for a new member in a committee, sub-committee, task group or working group.

Learn: Be one respectful to your inquiry to you assure that you can get on an AAPM committee, sub-committee, etc.

Build: You form a negative impression of AAPM committee system and complain to others that leadership is a disaster. "No, they're not."

Repeat: Not likely.

Outcome: You do not get to where you want to go.

However, why didn't they work out? Well, there are a few things wrong with this approach, besides the obvious fact that it didn't work. Also, regarding, the work stopped, with no resources to back a better way forward. Rather than passively waiting for an already free help volunteer (with a busy day job) to get back to you, I suggest the following tried and true technique for becoming successful in the work of AAPM: [AAPM.org](#)



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SHOW UP, SPEAK UP, FOLLOW UP, SHOW ENTHUSIASM, VOLUNTEER

- Plan meeting travel to attend [committee meetings](#)
 - Any AAPM member may attend any meeting of the Board, any council, any committee except the Executive Committee, any subcommittee, any working group or any task group, except for executive sessions.
 - Sign in so chair sees your name and has your email
 - Sit at side until meeting starts, then move to main table
 - Introduce yourself with confidence and state your interest in the work of the committee
 - Take notes, ask questions, volunteer if opportunity presents
 - Follow up with a meaningful thank you to the chair
 - Look up the minutes later, attend again (and again)



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MENTORSHIP VS SPONSORSHIP

- Mentors serve as advisors, helping mentees shape their ambitions and plans.
 - Provide advice, wisdom, sounding board.
- Sponsors take direct role in advancing their protégés.
 - Advocate for them. Use their connections to advance their protégés through endorsement and guidance.
- AAPM "mentorship" programs
 - Science Council Associates Mentorship Program
 - Early Career Investigator in Imaging Travel Award
 - Professional council (coming soon)
- If you've been out of training > 10 years, you should be mentoring and [sponsoring](#) our next generation

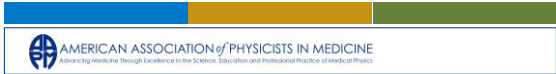


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WORK HARD AND DELIVER

- When at bat, hit a home run!
- Leaders want people they can count on
- Exceed expectations
 - Commit to a date, and be early
 - Commit to an action, do two (or more)
- Present your best work
 - Polish your presentation, graphics, text
 - Have senior colleagues proof-read and provide feedback
 - Get it right the first time, but if you make a mistake, own it and fix it (fast)



CLOSING THOUGHTS

- AAPM is responsible for innumerable contributions to our field. There is always a LOT going on.
- Get to know the AAPM
 - Explore the web site, reach out to others
 - Participate locally and nationally
 - Read the newsletter, make comments (we read them!)
- What scientific, professional or educational activities are you passionate about?
 - Find those groups, contact their leaders/members or find a **sponsor** to put you in touch with someone
 - Show up, speak up and follow up
 - Chairpersons gravitate to those who get work done!
- The AAPM is all of us, and what we do together moves our profession forward!

**AAPM'S 2019 PRESIDENT'S SYMPOSIUM
BUILDING BRIDGES**

IS EVERYONE AT YOUR TABLE?

Cynthia McCollough

**THE POWER OF A
MULTI-GENERATIONAL TEAM**

Amy Lynch



THANK YOU



Cynthia McCollough
mccollough.cynthia@mayo.edu
