The Fall meeting of ISAAPT will be jointly held with the Chicago section of AAPT at Joliet Junior College, Joliet, IL. The meeting is themed “Diversity and Inclusion in Physics Education”.

Invited presentations include –

1. “Addressing the Culture of Power in Physics: A Look at Barriers to Graduate Education” by Dr. Geraldine L. Cochran, Assistant Professor - Office of STEM Education, Department of Physics and Astronomy, Rutgers University.

2. “Studying Gender in Physics Education Research: Beyond the Binary” by Dr. Jennifer Blue - Associate Professor - Department of Physics, Miami University.

3. “The Quantum Physics of an Ordinary Morning” by Dr. Chad Orzel - Associate Professor - Department of Physics, Union College.

There will be two workshops –

W1. “STEP-UP for Women” will be given by Dr. Jennifer Gimmell - STEP-UP for Women Ambassador - Benet Academy, College of DuPage on Friday between 10:00 am – 12:00 pm.

W2. “IOLab – a multi-sensor device for K1-College” will be given by Dr. Morten Lundsgaard of University of Illinois, Urbana-Champaign on Saturday between 1:00 pm – 5:00 pm.

The IOLab is a wireless data acquisition system of similar size and weight as a graphing calculator, and thus highly portable. It contains more than 20 sensors or inputs, including a 3D accelerometer, a 3D magnetometer, a 3D gyroscope, wheels which record position, velocity, and acceleration, a force probe, and both analog and digital inputs. Data can be analyzed in the IOLab software itself or can be exported to a comma separated value file for later analysis.

In the workshop, the participants will first complete some of the open-ended labs that we are currently introducing in the introductory physics courses at the University of Illinois at Urbana-Champaign. Next, participants will explore the many features of the IOLab at various stations including a two-wire ECG-measurement! Participants will get access to an online course that contains prelab and lab ideas for both high school and college and be introduced to how students can share their measurements with each other and with their teacher.
To make the IOLab experience more authentic, participants should bring their own computer, pc or mac, to the workshop.

For more information on the IOLab, see iolab.science.

Please consider attending this meeting to learn more about physics and discover new tools and techniques for teaching physics. Share your experiences – contribute presentations and Take Fives; and meet old and new friends.

Registration information and deadlines –
- Registration is open. The registration fee for faculty is $30 for the whole meeting and $10 for Friday or Saturday. After November 1, the registration fee for faculty will be increased by $5.
- Registration is free for students, guests, and invited guests.
- The deadline for banquet reservations is November 4. Banquet dinner cost is $20.
- Box lunch is available for Saturday for $12.

For more up-to-date information please visit the meeting website.

Message from the President

Dear ISAAPT friends,

It has been an unusual fall with snow in several places during Halloween. What is also noteworthy is that the joint fall meeting between the Illinois and Chicago sections promises to be very enlightening! Diversity and Inclusion is relevant to all of us. Our gracious hosts at Joliet Junior College have lined up interesting invited talks and workshops. So, let’s plan to come together to share and learn from each other.

ISAAPT has been a great resource for me as I settled into my new job in Illinois four years ago and ever since. I strongly believe that our section can help up and coming Physics teachers both at the high school and college level. However, not many of the teachers that are starting their careers know about ISAAPT. Therefore, I would like to end my message with an appeal – let us (each one of us) try to bring at least one uninitiated Physics teacher to the spring meeting. Let us try and contact schools in our areas to introduce Physics teachers to this great resource. Let us talk to the new colleague in our departments and have them join us in the spring meeting.

The online registration is now open. I hope to see many of you there!

-Deepshikha Shukla, President, ISAAPT.

Future ISAAPT Meetings

- Fall 2019: Joliet Junior College (Joint meeting with the Chicago Section).
- Spring 2020: University of Illinois Urbana-Champaign.

Chicago section meetings

- Fall 2019: Joliet Junior College (Joint meeting with the Illinois Section).
- Spring 2020: Date TBD, Glenbrook South High School.

More information: https://sites.google.com/site/chicagoaapt/

Future national AAPT meetings

- 2020 Winter Meeting, January 18-21 (Orlando, Florida)
- 2020 Summer Meeting, July 18-22 Grand Rapids, Michigan)
- 2021 Winter Meeting, January 9-13 (Portland Oregon)
- 2021 Summer Meeting, July 31-August 4 (Washington, D.C.)

More information: http://www.aapt.org/Conferences/meetings.cfm

APS Prairie section meeting

- Fall 2020 – to be announced


AAPT NEWS eNNOUNCER
Call for Nominations for the 2019 Distinguished Service Citation

The distinguished service citation recognizes outstanding contributions to the field of physics teaching in the state of Illinois. Special recognition is given in the areas of:

- leadership of colleagues and students through physics teaching
- professional contributions to section activities through contributed papers, workshop presentation, committee service, or elective office
- distinguished service at the teacher's home institution.

A list of past awardees can be found in the ISAAPT website. Each year, the ISAAPT Executive Council solicits nominations for the Distinguished Service Citation. We invite and encourage you to nominate a fellow colleague for the 2019 Distinguished Service Citation to be presented at the Spring ISAAPT meeting. Please send your nomination by December 1, 2019 to Andrew Morrison, amorriso@jjc.edu. The guidelines and procedures for the citation can be found in our website.

ISAAPT membership listserv
To subscribe, see the instructions on this webpage.

Connect with ISAAPT
ISAAPT in now on the social media websites! Please consider joining and/or following us on:
Facebook group: search “Illinois Section of the American Association of Physics Teachers”
Google+ page: search “ISAAPT”
Twitter feed: search “ISAAPT@IllinoisSecAAPT”

The contact for these social media sites is Marianna Ruggerio, mrugger2@gmail.com.

ISAAPT Guidebook Program
https://sites.google.com/site/isaaptsite/brochures/guidebook-program

Outstanding High School Physics Teacher Award

The award for Outstanding High School Physics Teacher is presented at our Fall meetings. Fellow teachers and school administrators who are aware of exceptional performance and enthusiastic student response are encouraged to fill out the online nomination form on the ISAAPT website. Those who are nominated were notified by email from Zak Knott, and asked to fill out the online Candidate Information Form. Previous nominations will be maintained for three years for consideration for future awards. For a list of past awardees visit the ISAAPT website.

The Physics Teacher, newsletter of the ISAAPT Illinois Section of the American Association of Physics Teachers

Deepshikha Shukla, Editor
Dept. of Math, Computer Science, and Physics
302G Starr Science Building
Rockford University
Rockford, IL 61108
dshukla@rockford.edu

For address changes, membership information and other correspondence about the ISAAPT, contact:

Bill Hogan
Secretary and Treasurer, ISAAPT
Joliet Junior College
1215 Houbolt Road,
Joliet IL, 60431
whogan@jjc.edu