



Arizona Imaging and Microanalysis Society

Using light, electrons, ions, electromagnetism and x-rays

AIMS Newsletter Summer 2017

PAST PRESIDENT'S NOTE

Page Baluch, AIMS 2016-2017 President

Thanks to all who attended and helped with the 2017 AIMS conference! I would like to especially thank Brooke Massani, Doug Cromey, and David Elliott who presented talks at the Image Ethics workshop and to thank my helpers; James 'Bo' Faust and Bekah Brubaker. We also wish to congratulate our poster award winners: Shelbi Peck [UG], Robert Schafer [UG], Destiny Valenzuela [Grad], Ethan Lawrence [Grad] and Bukola Obayomi [Grad]. Students interested in presenting at next year's conference should check the website this Fall when conference updates have been posted.



We welcome our incoming president, **Aubrey Funke**, and are pleased to announce that the 2018 AIMS conference is scheduled for **Friday March 30, 2018** at **Northern Arizona University** in **Flagstaff, Az**. Details will be announced this Fall.

Advanced Imaging Center, HHMI/Janelia Research Campus

Teng-Leong Chew, AIC Director, HHMI/Janelia, was one of our guest speakers during the AIMS 2017 conference who presented information about the Advanced Imaging Center and gave suggestions on how to prepare a competitive proposal to be a visiting scientist. The AIC at the Janelia Research Campus has advanced microscope systems such as the Lattice Light Sheet, Aberration-corrected Multi-focus Microscope, iPALM and Live Cell Multi-color SIM that are available to approved researchers so they can expand the limits of their microscopy resources. With support from HHMI, Janelia provides opportunities for researchers to submit proposals requesting to come on campus and use these instruments. The upcoming **deadline to submit a proposal is June 15, 2017**. It is suggested that you contact the AIC staff prior to submission so they can help you decide if your project is appropriate for the equipment available and they will provide suggestions to strengthen your proposal.

More information:

<http://azmicroscopy.org/events/advanced-imaging-center-janelia/>

<https://www.janelia.org/open-science/advanced-imaging-center-aic>



MICROSCOPY & MICROANALYSIS 2017 CONFERENCE



We invite you to join us on August 6-10, 2017 at the America's Center Convention Complex in St. Louis, Missouri for the Microscopy & Microanalysis 2017 Conference. Microscopy and Microanalysis 2017 provides scientific diversity, spanning disciplines from life to the physical sciences, all unified by the tools of our trade. The program committee has developed a strong

program highlighting the latest microscopic and microanalytical advances in the three primary fields of Biological sciences, Materials science, and Analytical sciences. Many interdisciplinary symposia have been organized, reflecting the current environment of collaboration between scientists in different disciplines. The exhibits will demonstrate state-of-the-art equipment, and the vendor tutorials will continue to be a significant part of the meeting. The conference will also feature tutorials and workshops to be held during the meeting in addition to the traditional short courses. For more information, go to <http://www.microscopy.org/MandM/2017>.

Early registration deadline is June 26th.

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ATTENTION STUDENTS:

The Arizona Imaging and Microanalysis Society annual meeting is scheduled for **Friday March 30, 2018 at NAU**. We would like to invite any undergraduate or graduate student who uses microscopy to visualize their research to present a poster at the conference. More information about awards, poster session times and location will be announced this fall. Start planning now!

Student Poster Guidelines:

1. Applicants must be or have been an undergraduate or graduate student during the academic year of the meeting.
2. The work must consist of original research authored by the participant and be co-authored by his/her advisor.
3. The poster must be formatted to fit within an area of 48 inches by 36 inches.
4. The poster should contain a title, author and affiliation, abstract, introduction, methods and materials, results, discussion, figures and legends, and references.

Award Evaluation Criteria:

The AIMS judges will use the following criteria to evaluate the student's poster and oral presentation:

1. Scientific merit
2. Soundness of the research proposal
3. Experimental design and thoroughness of investigation
4. Validation of conclusions
5. Application of microscopy/microanalysis in answering the experimental question
6. Quality of micrographs/images/data
7. Presentation
8. Response to questions
9. Diversity of instrumentation and technique
10. Clarity and quality of writing
11. Grammatical correctness