



# Oregon Academy of Science Newsletter

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October 2017

**George Fox University**  
is pleased to host the 77<sup>th</sup> Annual OAS Meeting, March 3, 2018

George Fox University is pleased to host the Oregon Academy of Science for its 77<sup>th</sup> Annual meeting on Saturday, March 3, 2018. The OAS Council and I invite you to Newberg and the beautiful Chehalem Valley area for an exciting meeting designed to promote scientific research and education in Oregon. The conference is an excellent opportunity for all areas of Natural, Social and Applied Science fields to converge, collaborate and communicate with one another. I look forward to seeing you at my home institution.

-John M. Schmitt, Ph.D., OAS President

### **Meeting Registration & Abstract Submission**

To learn about OAS, please visit  
<http://oregonacademyscience.org/>

Guidelines for Abstract Submission can be found in the **Join OAS** section of the web site: (<http://oregonacademyscience.org/join/>). You may also contact the appropriate section chair for additional information on abstract submission; email addresses for section chairs are listed on the last page of the newsletter. **The deadline for abstract submission is January 31, 2018.**

All presenters must be members of the Oregon Academy of Science. Your meeting registration fee includes membership dues for OAS, so it's easy to simultaneously submit an abstract and become a member. We welcome the participation of all continuing and prospective OAS members in the meeting, so please register and join OAS today!

### **2018 OAS Meeting Schedule**

<b>8:00-9:00</b>	<b>Registration, Continental Breakfast and Poster set up</b>
<b>9:00-10:00</b>	<b>Poster Session</b>
<b>10:00-Noon</b>	<b>Oral Presentations</b>
<b>Noon-12:45</b>	<b>Lunch</b>
<b>1:00-2:30</b>	<b>Awards and Plenary Presentation</b>
<b>2:30-4:00</b>	<b>Oral Presentations</b>

The meeting check-in/registration, continental breakfast and poster session will take place on the first floor of the Edwards-Holman Science Center (EHS) atrium. Discipline specific section presentations will also take place in EHS as well as the Hoover Academic Building and the Stevens Center. Lunch will be served in the Canyon Commons banquet hall which is a short walk east past the library and across the bridge. Immediately following lunch, the annual awards will be presented and the plenary lecture will be given by the 2017 OAS Outstanding Scientist of the Year, Marshall Gannett, Research Hydrologist from the U.S. Geological Survey Oregon Water Science Center. His talk is entitled "Hydrology and Groundwater-Dependent Ecosystems of Central Oregon".

A campus and parking map can be found on the OAS website (<http://oregonacademyscience.org/>). Parking on the west side of campus, along Meridian St., has been reserved for OAS participants and these areas are adjacent to the primary meeting buildings.

## OAS 2017 Meeting Recap

The 2017 Oregon Academy of Science meeting at Oregon State University was a wonderful success. The meeting comprised 81 oral presentations and 35 posters covering 7 subject divisions.

**Dr. Mas Subramanian**, 2016 OAS Outstanding Scientist presented the keynote address entitled *Eureka! Discovery of a New Class of 'Cool' Inorganic Pigments for Art and Industry*. Dr. Subramanian described breakthrough research on the development of 'cool' pigments for energy saving coatings. He highlighted the importance of serendipity in discovery science and emphasized that 'happy accidental' discoveries do require intellectual effort.

**Corrine Manogue** and **Tevian Dray** of Oregon State University, recipients of the OAS 2016 Outstanding Educator in Science and Mathematics, Higher Education presented *Lessons Learned from the Paradigms and Bridge Projects*. In this talk they modeled active engagement strategies that can be used in any classroom, and how to implement them.

**Marshall W. Gannett** received the 2017 OAS Outstanding Scientist Award. He is a research hydrologist at the USGS Science Center in Portland, OR. His scientific work has transformed understanding of groundwater systems and has furnished tools to improve management of scarce water resources. His contributions have impacted the lives of millions of Oregonians.

**W. Jason Niedermeyer** received the OAS 2017 Outstanding Educator Award, K-12. Dr. Niedermeyer is recognized for his contributions as a biology teacher at South Salem High School in Salem, OR. He is a national expert in the teaching of evolution and leads Darwin Day, a 'reverse' science fair that highlights Salem-Keizer student accomplishments in science.

**Richard L. Nafshun** received the 2017 Outstanding Educator Award-Higher Education.

Dr. Nafshun is recognized for his influence on the lives of thousands of students. He is the director of the Chemistry Department Faculty mentor program and helps graduate students interested in academic careers improve their teaching. His efforts in online education have made OSU a global leader in providing access to General Chemistry courses.

## Seeking Nominations! 2018 OAS Awards

OAS seeks nominations for the following awards. Nominations may be made by any member of the Academy. Award presentations will be made at the Annual Meeting. The nomination deadline is December 15, 2017.

### 2018 Outstanding Oregon Scientist Award

Nominees should have made significant contributions to basic or applied research in the natural, physical, or social sciences. Nominees must have been Oregon residents during the time that they made their distinguished contributions. The letter of nomination should include a brief discussion of the nominee's accomplishments, along with supporting letters and documents.

### 2018 Outstanding Educator - Higher Education

Nominees for this award should have a demonstrated record of outstanding teaching in any of the subject areas encompassed by the Academy. Letters of nomination should clearly describe the unique contributions made by the candidate to teaching excellence in higher education science and/or mathematics classrooms.

### 2018 Outstanding Educator - K-12

This award is to recognize outstanding teaching in science or mathematics at the K-12 level. Nominees should have a demonstrated record of outstanding teaching in any of the subject areas encompassed by the Academy. Letters of nomination should clearly describe the unique contributions made by the nominee to teaching excellence in science or mathematics in K-12 classrooms.

Submit two or more letters of nomination, nominee curriculum vita or resume and supporting materials to Andrew Baggett, [abaggett@linfield.edu](mailto:abaggett@linfield.edu)

## Oregon Academy of Science Officers and Council Members

**President:** John Schmitt, George Fox University, [jschmitt@georgefox.edu](mailto:jschmitt@georgefox.edu)

**President-elect:** Andrew Baggett, Linfield College, [abaggett@linfield.edu](mailto:abaggett@linfield.edu)

**Past-President:** Douglas Keszler, Oregon State University, [douglas.keszler@oregonstate.edu](mailto:douglas.keszler@oregonstate.edu)

**Secretary:** Jeff Duerr, George Fox University [ждуerr@georgefox.edu](mailto:ждуerr@georgefox.edu)

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## OAS Sections & Chairs

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Sociology/Anthropology	Aaron Greer	<a href="mailto:aaron@pacificu.edu">aaron@pacificu.edu</a>

### **Leadership Opportunity!**

The OAS is seeking energetic individuals to lead the organization in 2019/20. Please consider serving as President-elect. Take this opportunity to showcase your organization and facilities to fellow members by hosting the Annual Meeting in 2020. Contact OAS President-elect Andrew Baggett [abaggett@linfield.edu](mailto:abaggett@linfield.edu) if you are interested or would like more information.