

**100th Annual Meeting
SOUTHERN OREGON UNIVERSITY
Ashland, Oregon
18 – 21 June 2019
Call for Abstracts**

Members of AAAS and its affiliated societies, students, teachers and other scientists are encouraged to participate in the annual meeting of the Pacific Division of AAAS by presenting oral reports or posters. Instructions for submitting abstracts for inclusion in the technical sessions of this meeting are included in this announcement. Read these instructions carefully before submitting an abstract!

DEADLINES:

The deadline for submission of an abstract for a SYMPOSIUM PRESENTATION is Monday, 1 April 2019. Presenters in symposia should follow the same preparation instructions as for contributed reports (see below), but submit their abstracts as Microsoft Word (.doc or .docx) or .rtf files directly to the symposium planner rather than to a section chair and the AAASPD office. **DO NOT SUBMIT** an abstract in the body of an email or as a PDF file, as these will be rejected! Symposium presentations are ordinarily scheduled every 30 minutes, allowing about 24 minutes for the presentation, about five minutes for questions, and a minute or so for PowerPoint change-over. Please contact the symposium organizer for presentation details specific to your symposium.

The deadline for submission of an abstract for a CONTRIBUTED ORAL REPORT or POSTER is Wednesday, 24 April 2019. E-mail the required information (see below) as a Microsoft Word (.doc or .docx) or .rtf *attachment* to the chair of the section in which you are applying to present (see list of sections and chairs later in this document). Also, *copy the Pacific Division office at bowerj@sou.edu* with your submission. **DO NOT SUBMIT** your abstract in the body of an email or as a PDF file, as these types of submissions will be rejected. Contributed oral reports are scheduled every 20 minutes, allowing about 14 minutes for the talk, about five minutes for questions at the end, and a minute or so for PowerPoint change-over. Those presenting posters will have at least 2 hours in which to present their work to interested meeting attendees.

SPECIAL MEETING THEMES:

While as always, the meeting is happy to accept symposium presentations and contributed oral and poster presentation in any of the broad science disciplines indicated below, this year we have also identified several themes around which we will organize part of the meeting. If your symposium, workshop, or contributed oral or poster presentation is relevant to one (or more) of these themes, please include the theme(s) in your list of key words.

- Working with local community leaders we have identified several topics of particular interest to the local community:
 - Climate change
 - Causes and impacts of forest fires
 - Societal and economic implications of AI, machine learning, and robotics
 - The opioid epidemic
 - Local Oregon environmental issues including the proposed Coos Bay pipeline and efforts to remove dams from the Klamath River
 - Diversification of local agriculture
 - The biology of aging
 - The science of wine
 - Impact and issues concerning pollinators
- Please also indicate in the key words if your symposium, workshop or contributed research relates to the following issues in science and technology:
 - The future of scientific publishing
 - The future of higher education
 - The expanding role of computational modeling in basic science

- New approaches to STEM education: k-12
- The importance of interdisciplinary approaches in science and technology
- Engaging the public in science
- Fostering inclusion of underrepresented minorities in science
- Finally, this year’s meeting is also making an explicit effort to link and collaborate with regional cultural organizations and assets. Accordingly, please indicate in your key words if your submission is potentially relevant to linkage between science and:
 - Theater
 - Film
 - Art
 - Music.

INSTRUCTIONS FOR THE PREPARATION OF ABSTRACT SUBMISSIONS

Start your submission by providing the following information:

1: Presenting author’s name, affiliation, address, and long-term e-mail address

2: Co-authors’ (if any) names, affiliation(s), address(es), and long-term e-mail address(es)

3: Submitter’s name and e-mail address (if different from above)

4: Name of the Pacific Division section(s) or the symposium to which you are submitting your abstract for review.

For contributed oral reports or posters, you must identify the most appropriate section (see last page of this call) for your presentation and send your abstract to the program chair for that section and also to the AAASPD office at bowerj@sou.edu.

For symposium presentations, enter the name of the symposium on this line and send your abstract directly to the symposium planner. For symposium abstracts, the AAASPD office needn’t be copied on the submission.

5: Type of presentation (ORAL or POSTER)

6: Is the presenter a student? (STUDENT or NOT A STUDENT). *If a student, indicate level* (PRE-COLLEGE, UNDERGRADUATE, or GRADUATE)

7: Any special equipment needs in addition to standard computer, projector, and PowerPoint? If so, explain on this line. If none, write “NONE” on this line.

General information for formatting your abstract (8 and 9):

a) Use 10 point Times New Roman font and the “NORMAL” style of your word processing program. Any other font or style will be converted to these, possibly with unpleasant consequences for your abstract.

b) Full justify all text.

8: Paper title, author(s) name(s), and contact information, as shown in this example below:

Paper Title in Title Case, AUTHOR’S NAME(S) (Contact information).

Note the following guidelines:

Paper title:

a) The title of the presentation is italicized and capitalized in title case (e.g. *This Is an Example of Title Case*).

b) The comma following the title of the presentation is not italicized.

Author’s name(s):

a) The authors’ names are to be listed sequentially, starting with the person who contributed the most to the study, including this presentation, and ending with the person who contributed the least to the study and presentation. If two or more persons contributed equally, place a superscripted triangle (Δ) next to each name.

b) Names should be in all caps and bold.

c) In the case of multiple authors, follow this protocol:

Two authors: **NAME A and NAME B**

Three or more authors: **NAME A, NAME B, NAME C, and NAME D.**

d) In the event of more than one author, place a full-size asterisk at the end of the *presenter’s* last name.

e) In the event of more than one author from more than one department and/or institution, individual authors’ affiliations should be identified by a superscripted number at the end of each last name that refers to departments/institutions in the address section. For example, **NAME A¹, NAME B^{2*}, NAME C¹** (where A and C come from the same department and institution and B comes from a different department or institution and is the presenter).

Contact information:

- a) should be enclosed in parentheses, with a period outside the closing parenthetical mark and
- b) should include the following information: department (if applicable), institution, city, state, zip code, and *long-term* email address(es) at which the author(s) can be contacted after the meeting.
- c) If there are more than one author and they are all in the same department and institution, you need only list the contact information once and need not use any superscripted numbers with the authors' names or the institution.
- d) If there are more than one author and they are in different departments in the same institution, or in different institutions, use a superscripted number to the left of each new entry to correspond with and identify the appropriate author(s) name. For example, **AUTHOR A^{1*}, AUTHOR B², AUTHOR C¹, and AUTHOR D³** (¹Department A and ²Department B, Institution X, city, state, zip; ³Department C, Institution Y, city, state, zip; email addresses).

Example of a properly formatted title, name, and address line

Formatting an Abstract for Submission to a Pacific Division Meeting, SAMUEL P KRAFTER^{1}, YESIMAN AUTHOR^{1A}, IDIDTHE WRITING^{2A}, and IDIDA DeREADIN³* (¹Department of Biology and ²Department of English, Southern Oregon University, 1250 Siskiyou Boulevard, Ashland, OR 97520, spkraf@biology.sou.edu, author@biology.sou.edu, iwriting@english.sou.edu; ³Department of Academic Speech, Bureau of Speech Employment, 12 Back Street, Medford, OR 97504, dereadingi@BSE.org).

9: Text of abstract. Limit: 300 words. If you have trouble writing a good abstract or have never before written an abstract, consult this link before starting: <http://writingcenter.unc.edu/handouts/abstracts/>. A well-written abstract is concise and is contained within a single paragraph. An abstract for this meeting should contain no references, images, or figures. It is permissible to acknowledge funding sources at the end of an abstract.

- a) Indent the first line of each paragraph of the text (line 9 below) of your abstract 0.25 inches by using the first line indent command of your word processor. *Do not tab or use spaces to indent the first line!* Examples of properly formatted abstracts can be found by going to this link: <http://pacific.aaas.org>, clicking on the "Proceedings Archive" link on the left and choosing any of the past meeting *Proceedings* to review. Abstracts are in the back of each volume of the *Proceedings*.
- b) Abstracts that contain special characters should be scanned and sent to the Pacific Division office along with your electronic abstract submission. Be sure to clearly mark special characters on your scanned abstract and identify the font set that contains them. Avoid using exotic font sets, as we probably won't have them and the conversion to something we have probably won't be very precise. It is important to use common font sets such as Symbol, Wingdings, etc. for your special characters.
- c) Include a list of 5 key words at the end of your abstract, e.g. Keywords: xxxx, yyyy, zzzz.

**SOCIETIES AND PACIFIC DIVISION SECTIONS ACCEPTING CONTRIBUTED PRESENTATIONS
(BOTH ORAL AND POSTER) FOR THE JUNE 2019 AAASPD MEETING IN ASHLAND, OREGON**

Agriculture, Food, and Renewable Resources.

Section chair and program organizer: *Please contact the Pacific Division office, bowerj@sou.edu, for information on this section.*

Anthropology and Archaeology. Section chair and program organizer: *Dr. Claudia Garcia-Des Lauriers*, Department of Geography and Anthropology, Cal Poly Pomona, 3801 W. Temple Ave., Pomona, CA 91768. Contact: 909-869-5264; clauriers@cpp.edu.

Atmospheric and Hydrospheric Sciences. Section chair and program organizer: *Dr. Clive E. Dorman*, Research Oceanographer, Integrative Oceanography Division, Scripps Institution of Oceanography Dept 0209, University of California, San Diego, La Jolla, CA 92093-0209. Contact: cdorman@ucsd.edu.

Cell and Molecular Biology (including Medical and Dental research in these areas). Section chair and program organizer: *Please contact the Pacific Division office, bowerj@sou.edu, for information on this section.*

Chemistry and Biochemistry. Section chair and program organizer: *Dr. Owen M. McDougal*, Department of Chemistry and Biochemistry, Boise State University, Boise, ID 83725. Contact: 208-426-3964; owenmcdougal@boisestate.edu.

Computer and Information Sciences. Section chair and program organizer: *Please contact the Pacific Division office, bowerj@sou.edu, for information on this section.*

Earth Sciences. Section chair and program organizer: *Dr. Jad D'Allura*, Department of Geology (emeritus), Southern Oregon University, Ashland, OR 97520. Contact: 541-899-7010 or 541-690-7739; dallura@sou.edu and rockit526@gmail.com (copy e-mail to both accounts).

Ecology, Environmental Sciences, and Sustainability. Section chair and program organizer: *Dr. Richard Van Buskirk*, Environmental Studies, Pacific University, 2043 College Way, Forest Grove, OR 97116. Contact: 503-352-2251; vanbuskirk@pacificu.edu.

Education. Section chair and program organizer: *Please contact the Pacific Division office, bowerj@sou.edu, for information on this section.*

Engineering, Technology and Applied Sciences. Section chair and program organizer: *Dr. Frank Jacobitz*, Department of Engineering, University of San Diego, 5998 Alcalá Park, San Diego, CA 92110. Contact: 619-260-7820; jacobitz@sandiego.edu.

Evolution, Organismal Biology, and Biodiversity. Section chair and program organizer: *Dr. Julia Ruppell*, Department of Biology, University of Portland, Department of Biology, 5000 N. Willamette Blvd., Portland, OR 97203-5798 Contact: 503-943-8015; ruppell@up.edu.

General and Interdisciplinary. Section chair and program organizer: *Ms. Crystal Goldman*, UC San Diego Library University of California, San Diego 9500 Gilman Drive #175Q La Jolla, CA 92093 Contact: 858-246-1626; clgoldman@ucsd.edu.

History and Philosophy of Science. Section chair and program organizer: *Dr. Sarah M. Roe*, Department of Philosophy, Southern Connecticut State University, 501 Crescent Street, New Haven, Connecticut 06515. Contact: 203-392-6767; roes1@southernct.edu.

Materials Science. Section chair and program organizer: *Dr. Vilupanur Ravi*, Department of Chemical and Materials Engineering, California Polytechnic University, Pomona, CA 91768. Contact: 909-869-2627; vravi@cpp.edu.

Mathematics. Section chair and program organizer: *Dr. Liljana Babinkostova*, Department of Mathematics, Boise State University, 1910 University Drive, Boise, ID 83725. Contact: 208-426-1172; liljanababinkostova@boisestate.edu.

Physics. Section chair and program organizer: *Dr. Ellen Siem*, Department of Physics and Engineering, Southern Oregon University, 1250 Siskiyou Blvd., Ashland, OR. Contact: 541-552-6489; sieme@sou.edu.

Pharmaceutical Sciences. Section chair and program organizer: *Dr. Jozef Stec*, Department of Pharmaceutical Sciences, College of Pharmacy, Marshall B. Ketchum University, 2575 Yorba Linda Blvd., Fullerton, CA 92831-1699. Contact: 714-872-5711; jstec@ketchum.edu.

Psychology. Section chair and program organizer: *Dr. Veronica Galván*, Department of Psychology, University of San Diego, San Diego, CA 92110. Contact: 619-260-7739; vgalvan@SanDiego.edu.

Science and the Arts and Humanities. Section chair and program organizer: *Dr. Robert L. Chianese*, Department of English, California State University, Northridge, Northridge, CA 91330; Current Contact Information: 2465 Hall Canyon Road, Ventura, CA 93001, 805-643-5034; rlchianese@gmail.com.

Social, Economic and Political Sciences (including Health Services). Section chair and program organizer: *Dr. Carl A. Maida*, UCLA Schools of Dentistry and Medicine, University of California, PO Box 951668 CHS, Los Angeles, CA 90095. Contact: 805-492-5613; cmaida@ucla.edu.