CALL FOR PAPERS

April 13, 2019
Hosted by
Columbus State Community College
Columbus, OH

Abstract Deadline
Abstracts must be received by November 19, 2018

About the Annual Meeting

THE OHIO ACADEMY OF SCIENCE’S Annual Meeting is for academic, governmental, and industrial scientists and engineers, university and pre-college educators, and pre-college, undergraduate, and graduate students, and interested lay citizens in the Ohio region. Annually the several hundred scientific presentations are complemented by workshops, symposia, and an All-Academy Lecture.

Call for Papers

WHATEVER YOUR SCIENTIFIC INTERESTS this Call for Papers is your invitation to participate in the Annual Meeting of The Ohio Academy of Science to be hosted by Columbus State Community College on April 13, 2019. Two basic options are available to present papers: (1) professionals, college students of all levels, and pre-college students who have completed research may submit an abstract; abstracts must contain results (2) college undergraduates only, may submit an Undergraduate Research-in-Progress Summary or an abstract if it includes research results.

All abstracts and Undergraduate Research-in-Progress Summaries will be peer-reviewed. Acceptable abstracts and summaries will be published in the Program Abstracts issue of The Ohio Journal of Science (OJS). This publication assures that researchers across Ohio, elsewhere in the United States, and in dozens of foreign countries will have access to your work. Symposia, workshops and field trips may be arranged by special permission.

Research papers are welcome in ALL FIELDS of science, engineering, technology, education and their applications.

ON THE WEB
Please use this brochure or retrieve forms and instructions from: http://www.ohiosci.org/annual-meeting-2019/

Our Host

COLUMBUS STATE COMMUNITY COLLEGE has been meeting the diverse educational needs of the Central Ohio community for more than 50 years. The college is proud to be an important contributor to the growth and progress of the region and to serve as the front door to higher education in Central Ohio.

As a comprehensive community college, Columbus State has a strong commitment to students seeking career and technical education leading to employment and to students who want to pursue an Arts and Sciences curriculum leading to an associate degree and then to an undergraduate degree. Our Career and Technical Division offers certificates and associate degree programs in the areas of business and marketing, computers and interactive media, construction sciences and skilled trades technologies, engineering technologies, health and human services, hospitality, and public services. Columbus State also offers Associate of Arts and Associate of Science degree programs whose coursework fulfills the freshman and sophomore year requirements for bachelor’s degree programs offered by four-year colleges and universities throughout the state.

Columbus State now has two campuses serving Central Ohio educational needs. The Columbus Campus is located on 85 acres in downtown Columbus. This campus consists of two dozen buildings housing classrooms, laboratories, student services and college offices. Also, part of this campus is the recently remodeled library in Columbus Hall which provides materials and resources for students. The 108-acre, full-service Delaware Campus is located between Columbus and Delaware along U.S. 23, and has an administration building and Moeller Hall, an 80,000 sq. ft., LEEDS Gold-Certified academic building.

Visit www.csc.edu for additional information.
How to prepare an ABSTRACT for peer review.

An abstract must be prepared for each paper to be presented at the Annual Meeting. An abstract is a concise summary of the educational, scientific, engineering, or technological research contents of the paper, and not merely a general description of what the paper is about. Tell what the specific facts are, not what they are going to be when you talk. Avoid personal pronouns. Quality abstracts are highly structured and contain all of the following elements: (1) background or introduction including goals, objectives, purpose, problem and hypothesis, (2) methods and materials, (3) results, data or observations, and (4) discussion or conclusion(s). Phrases like “will discuss, will review, will talk about, or will present” are unacceptable in an abstract. All important facts should be stated with brevity, but not such sparing use of words as to leave ambiguity. Abstracts should be 250 words or fewer. Tables and graphs should not be included. New techniques or new apparatus and their functions should be mentioned. New constants, critical data or formulae should be included. Names of new species should not be listed in the abstract, but use full scientific names for all organisms. Use the term “significant” only if you state the statistical test(s) used. Always define the sample(s), population or trials (N=?). Never use the phrase “Results show” without first stating the results. The value of abstracts is real and considerable, not only for those in attendance, but also for others unable to attend. Abstracts will be peer-reviewed. Acceptable final abstracts will be published in the program abstracts issue of The Ohio Journal of Science and shall be presented by the first author. The first author of multi-authored abstracts must obtain permission from all authors to submit the content of the abstract.

How to prepare a College Undergraduate Research-in-Progress Summary.

In order to accelerate the entry of college undergraduate students into the professional world of education, science, engineering, technology, or their applications, The Ohio Academy of Science has adopted the following policy and procedures to accept and publish summaries of college undergraduate research-in-progress in lieu of abstracts for the Annual Meeting. Papers, based on the student’s research, may be presented in either podium or poster format. Undergraduates whose research is unfinished by the abstract submission deadline may submit an Undergraduate Research-in-Progress Summary in lieu of an abstract. This summary is a statement following the general typing and submission instructions for an abstract. Avoid personal pronouns. The summary shall contain the following elements in this order: (1) background or introduction including goals, objectives, purpose, problem and hypothesis, (2) methods and materials, and (3) if available, initial observations. Phrases like “will discuss, will review, will talk about, or will present” are unacceptable in a summary. All important facts should be stated with brevity, but not such sparing use of words as to leave ambiguity. Summaries should be 250 words or fewer. Tables and graphs should not be included. New techniques or new apparatus and their functions should be mentioned. New constants, initial critical data, if available, or formulae should be included. Names of new species should not be listed in the summary, but use full scientific names for all organisms. State the statistical test(s) you plan to use and always define the expected sample(s), population or trials (N=?). Never use the phrase “Results show” without first stating the results. The value of summary is real and considerable, not only for those in attendance, but also for others unable to attend. Summaries shall be presented by the college undergraduate first author. It is the responsibility of the first author of multi-authored summaries to obtain permission from all authors and research advisor(s) to submit the content of the summary. All Undergraduate Research-in-Progress Summaries will be peer-reviewed. Acceptable final summaries will be published in the Program Abstracts issue of The Ohio Journal of Science and shall be identified as a summary by (including the advisor’s name in parentheses).
Your heading should be formatted using these guidelines; use 12 point Times New Roman or Century Schoolbook:

TYPE YOUR TITLE IN ALL CAPITAL LETTERS. Put a period “.” after the title. Leave a space then type your first, middle initial, last name, email and any other authors full name with emails. Do not type your last name in all capital letters. Put a comma “,” after your name and any other authors. Follow all author names by YOUR complete mailing address. Only the first author/presenter should have a complete mailing address. Your mailing address should have a comma “,” after each part of the address. Do not put comma “,” after the city and please use a two-letter state abbreviation (e.g. OH). Pre-college students please add your school name in (parentheses) after your home mailing address. For summaries include your advisor’s name in parentheses.

Skip one line and then type your abstract or summary.

SAMPLE #1 - Single author of an undergraduate research-in-progress summary
SEASONAL EFFECTS FOUND IN PLANKTON IN THE PORTAGE LAKES. Gary M. Walker, name@abc.edu, (Charles Smith, name@abc.edu), Mount Union College, 1972 Clark Ave, Alliance OH 44601. NOTE: Please use advisor's full name without title.

SAMPLE #2 - Single author of an abstract
INVASION OF ALIEN PLANTS IN A RECLAIMED STRIP MINE, CARROLL COUNTY, OHIO. Jay Johnson, name@abc.edu, Muskingum College, Dept. of Biology, New Concord OH 43222.

SAMPLE #3 - Multiple authors of an abstract
A PRELIMINARY INVENTORY OF AQUATIC MACROINVERTEBRATE TAXA FROM RESTORED AND NATURAL WETLANDS OF THE BEAVERCREEK WATERSHED. Mary D. McIntosh, name@abc.edu, Jerry Vale, name@abc.edu, Brian T. Conn, name@abc.edu, Eric Ben, name@abc.edu, TJ Bury, name@abc.edu, University of Dayton, Dept of Biology, Dayton OH 5469-2320.

SAMPLE #4 - Multiple authors of an abstract from multiple institutions
FEEDING THE WORLD: SALT WATER FARMING. May Smith¹, name@abc.edu, Bran Wilson², name@abc.edu, Michael Bow², name@abc.edu, AJ Burk², name@abc.edu, ¹University of Dayton, Dept of Biology, Dayton OH 45469-2320 and ²Ohio Department of Natural Resources, Division of Natural Areas and Preserves.

SAMPLE #5 - Single author of pre-college student abstract
THE EFFECTS OF VOLTAGE AND SALT ON ELECTROLYSIS. Carol S. Smith, name@abc.edu, 123 Countyline Rd., Greenville OH 44555. (Greentown High School)

Online Submission by Monday, November 19, 2018 to:

Please use the Annual Meeting Submission form found here:

https://form.jotform.com/OhioScience/annual-meeting-submission-form

QUESTIONS? 614.389.2182 or by email info@ohiosci.org