Pennsylvania Water Environment Association

TO: Environmental Engineering and Science Faculty and Students

FROM: PWEA Research Committee
Rachel A. Brennan, Ph.D., P.E. – Committee Chair
Holly T. Frederick, Ph.D., P.E. – Committee Co-Chair

SUBJECT: <u>CALL FOR ABSTRACTS, RESEARCH SESSION, PENNTEC 2018</u>

PENNTEC 2018, the Annual Conference of the Pennsylvania Water Environment Association (PWEA), will be held at Hershey Lodge (Hershey, PA) June 3 – 6, 2018. The Research Session on **Tuesday, June 5**, at the conference is devoted to undergraduate and graduate student research. Its intent is to provide a showcase for ongoing research activities in the fields of wastewater, water quality, and environmental management relevant to Pennsylvania. Suggested topics include (but are not limited to): wastewater treatment; sludge/biosolids management; beneficial reuse; bioenergy production from wastewater; agricultural runoff; stormwater treatment; watershed management; groundwater remediation; and industrial wastewater treatment.

<u>**Abstract preparation:**</u> Students are encouraged to work with their faculty advisors to submit a short abstract, along with the identification information requested on the following page by <u>**January 15, 2018**</u>. **Abstracts must be kept to <u>300 words</u> and may include up to two figures or tables.** Abstracts will be evaluated by the Research Committee on the basis of overall quality, technical content, originality, adherence to the guidelines, and relevance to issues related to water treatment, water quality, and environmental management in Pennsylvania. **Student authors can request consideration for a poster only, oral platform presentation only, or both presentation options.** The student authors of all qualifying abstracts will be invited to present posters at the conference, and the authors of the top five abstracts will be invited to give oral presentations, with the option to also display a poster.

<u>**Research session & poster contest:**</u> At the conference, posters will be judged by faculty and practicing engineers, and outstanding posters will receive awards (based on the quality of their presentations). Each of the top three undergraduate and graduate poster presenters will receive a **Student Research Poster Award** certificate. In addition, each of the five oral presenters will be receive a **Student Research Platform Award** certificate and abstract publication in the *Keystone Water Quality Manager*. (Conference registration and lunch are free for all student presenters.)

<u>**Deadlines:**</u> **The deadline for submission of abstracts is January 15, 2018**. Students will be notified in February whether or not their abstract is accepted. Final information regarding preparation of poster and platform presentations will be forwarded at that time.

<u>**Formatting & submission instructions:**</u> Use the instructions and example template on the following page to format your abstract (a separate cover page is *not* required). Submit an electronic copy of the abstract (as a single Word document) to Dr. Rachel Brennan (rbrennan@engr.psu.edu) by **January 15, 2018**.

Formatting Instructions for Abstract Submission to the PennTec 2018 Research Session

Header: Bold and center the header, and indicate if the authors wish to be considered for a poster presentation only (**POSTER**), oral presentation (**PLATFORM**), or either (**POSTER/PLATFORM**), followed by the words "**ABSTRACT: PennTec 2018 Research Session"**.

Title: Bold and center the title and use the *Chicago* style for title capitalization (i.e., capitilize the first word of the title, the last word of the title, and all principal words (nouns, verbs, etc.), but not prepositions).

Authors: Provide a complete list of all authors by first and last names in a continuous, bolded line; identify the presenting student with an asterisk (*) superscript after their last name and all authors with numerical superscripts after their last names.

Author titles and affiliations: For each author on a separate line, list their title and institution following the number provided in the superscript after their last name.

Email addresses: List the email addresses of the presenting student and faculty advisor (as a single line).

Example template:

POSTER/PLATFORM: PennTec 2018 Research Session

Title of Abstract

Jane Student[*1]; John Engineer[2]; Super Advisor[3]

[1]Undergraduate, The Pennsylvania State University, Dept. of Civil and Environmental Engineering, University Park, PA 16802
[2]Senior Engineer, Environmental Consultants, State College, PA 16803
[3]Associate Professor, The Pennsylvania State University, Dept. of Civil and Environmental Engineering, University Park, PA 16802

*Presenting author: janestudent@psu.edu; **Faculty advisor:** superadvisor@psu.edu

Abstract: Abstracts are limited to 300 words and may also include up to two figures or tables. Please use Arial 11 point font, 1.15 spacing, 1" margins, left justification, with a single space between paragraphs. Figures and tables should be referred to by number (i.e., Figure 1, Table 1) within the abstract and be labeled with a fully descriptive title (note that figure captions should be placed beneath figures; whereas table titles should be placed above tables). The font used in figures and tables should match that of the body of the text, if possible. Figures should be reproducible in black and white without any loss in information (i.e., ensure that line/symbol colors have significant contrast in black and white and are easily distinguishable). Numerical values should be provided in metric units.