

## **Scope of the Research Monograph Series**

The Research Monograph Series (RMS) is a scholarly publication initiated in 2017 and first published in 2018. The RMS, sponsored by the Research and Scholarship (R&S) Committee of the Council on Technology and Engineering Teacher Education (CTETE), is a unique academic platform designed to support the publication efforts of emerging scholars across the complete spectrum of Science, Technology, Engineering, and Mathematics (STEM) education disciplines. As such, the RMS is devoted to encouraging contributions from new and talented scholars from any STEM education discipline as an avenue for assisting in their development of scholastic abilities and a presence within the global discourse surrounding STEM education.

The scope of the RMS is broad, with the intent to provide a platform for scholarly discussion through publication of empirical research and academic essays that:

- Present evidence-based conceptual frameworks and/or innovative ideas in Technology Education (TE), Technology and Design Education (TDE), and Technology and Engineering Education (T&EE) programs.
- Critique theoretical/conceptual papers, research studies, programs, and policies relating to TE, TDE, T&EE programs, Integrative STEM Education (I-STEM ED) and general STEM Education.
- Address early research, literature reviews, conceptual frameworks, and action research in TE, TDE, T&EE, I-STEM ED and general STEM Education.
- Describe programmatic partnerships and collaborations to promote TE, TDE, T&EE, I-STEM ED and general STEM Education

## **Editorial/Peer Review Process**

All manuscripts that appear in the RMS are first screened by the editor to determine the appropriateness for the monograph's scope, followed by an anonymous, double-blind review by two or more members of the Review Board. Authors of manuscripts that have been subjected to blind review are informed of the review decision within three months of the date of submission.

The views expressed through manuscripts published in the RMS are not necessarily those of the Editor, Co-Editor, Review Board, Research & Scholarship Committee, or officers serving on the Council of Technology and Engineering Teacher Education and the International Technology and Engineering Education Association.

## SUBMISSION REQUIREMENTS: RESEARCH MONOGRAPH SERIES

**Who should submit:** Neither membership in the ITEEA or affiliation with the academic discipline of Technology and Engineering Education or Technology Education are stipulations for those considering submission of a manuscript for the Monograph Series. Any new and rising scholar from the fields of TE, TDE, T&EE, I-STEM ED, and General STEM ED are encouraged to submit manuscripts for consideration.

**What to submit:** To be considered, submissions should address a topic relevant to the stated aim of the RMS. The length of the manuscript should be between 12 and 28 pages (including references and tables), with some latitude being afforded to lengthier submissions. It is particularly important that the text be well organized and written in clear, precise, and literate English. However, it should be noted that authors from non-English speaking countries need not be put off by this structure. In accordance with the general aims of the CTETE, this series is actively interested in promoting international exchange.

In writing, authors must keep the "general" reader in mind. Our goal is to justify every reader's expectations that irrespective of the specific questions, the introductory and concluding discussion will relate the work to issues which concern all educators of Technology Education, Technology and Design Education, Technology and Engineering Education, Integrative STEM Education, and General STEM Education. Jargon should always be avoided. When first introduced, briefly clarify terms that prevail in a given STEM field but which are not common in others.

**Submission Deadline:** To be considered for the 2018 Monograph Series, manuscripts must be submitted via email to the RMS editor: John Wells ([jgwells@vt.edu](mailto:jgwells@vt.edu)) *no later than September 30<sup>th</sup> 2018*.

### REVIEW AND SELECTION PROCEDURES:

The RMS is published once per year. When a manuscript is submitted the author(s) will be notified of receipt by the RMS editor (John Wells), Chair of the CTETE R&S Committee. Manuscripts will undergo a double-blind peer review by two or more reviewers (CTETE R&S Committee members and/or other scholars in the field), with feedback and a review decision provided within 2-3 months after receipt. Being well aware of the very hard work that goes into preparing and/or revising a monograph-length manuscript, the Editor will stand ready to engage in any clarifying discussions the author(s) may find profitable in leading to a successful monograph publication. All submissions will receive serious attention throughout the review process with feedback intended to support the author(s) in progressing toward publication.

**RESEARCH MONOGRAPH PROPOSAL EVALUATION CRITERIA:** Manuscript selection will be based on the ratings (scale of 1 to 5 with 5 being high) received for the various components of the manuscript.

<u>Item</u>	<u>Rating</u>
Topic is significant to technology education and related fields	1 2 3 4 5
Introduction and statement of problem accurately portray topic	1 2 3 4 5
Review of literature (theoretical/conceptual base is adequate).	1 2 3 4 5
Research methods and procedures are appropriate for the study	1 2 3 4 5
Presentation and discussion of results are adequate	1 2 3 4 5
OR	
Argument/idea logically developed with credible supporting evidence	1 2 3 4 5
Counter arguments/ideas properly presented and addressed	1 2 3 4 5
Conclusion properly synthesizes various points	1 2 3 4 5

WHEN SUBMITTING MANUSCRIPTS, THE AUTHOR/S SHOULD ENSURE THE FOLLOWING:

- Manuscript are submitted electronically as a Word document attachment
- *Author Information and Checklist for Chapter Manuscripts* form is completed and submitted electronically. (These two forms are provided at the end of this document). For research not yet completed, anticipated findings, conclusions, and recommendations can be suggested, but the focus should be on the planned design of the research.
- Submitted materials **must be received by 9/30/2018**

Authors will be encouraged to present the results of their research at a CTETE Research & Scholarship Committee sponsored session during the annual ITEEA conference. The selected author(s) of the *2019 Research Monograph Series* will announced during the CTETE Business Meeting at the ITEEA conference.

**SUBMIT NOMINATION AND PROPOSAL FORMS ELECTRONICALLY TO:**

Dr. John G. Wells via [jgwells@vt.edu](mailto:jgwells@vt.edu)  
Editor, CTETE R&S Monograph Series  
Virginia Tech, School of Education, Curriculum & Instruction  
370 Drillfield Drive, Rm 317 War Memorial

# **AUTHOR(S) INFORMATION**

*Manuscript Author Information:*

Last Name \_\_\_\_\_ First Name \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

E-mail \_\_\_\_\_

Telephone \_\_\_\_\_

Title / Position \_\_\_\_\_

School / Business \_\_\_\_\_

Title of manuscript being submitted \_\_\_\_\_

Abstract of research presented (200 words maximum) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

*Additional authors / researchers*

Last Name \_\_\_\_\_ First Name \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

E-mail \_\_\_\_\_

Title / Position \_\_\_\_\_

School / Business \_\_\_\_\_

# CHECKLIST FOR CHAPTER MANUSCRIPTS

Please review your manuscript carefully before submitting the final draft to the editor.  
Submit this checklist with your manuscript.

- \_\_\_\_\_ Chapter headnote
- \_\_\_\_\_ Chapter title
- \_\_\_\_\_ Author name(s) & affiliated institution
- \_\_\_\_\_ Email
- \_\_\_\_\_ Abstract (approximately 300 words) & List of key words
- \_\_\_\_\_ Introduction
- \_\_\_\_\_ Body of Research Manuscript
  - Statement of the problem
  - Literature review, conceptual framework
  - Research Method
  - Findings, conclusions, recommendation
- \_\_\_\_\_ Body of Essay Manuscript
  - Analysis of the literature
  - Arguments
  - Counter arguments
  - Synthesis
- \_\_\_\_\_ Conclusion
- \_\_\_\_\_ Reference section
- \_\_\_\_\_ Tables, figures, and exhibits follow APA format (if any)

## Final complete electronic manuscript

- \_\_\_\_\_ Length of chapter is as specified by issue editor
- \_\_\_\_\_ 1-inch margins on all sides
- \_\_\_\_\_ Courier (or equivalent) font at 10 characters per inch; no scalable fonts
- \_\_\_\_\_ Double-spaced throughout
- \_\_\_\_\_ Left justified, ragged right margin; hyphenation off
- \_\_\_\_\_ All extra formatting eliminated
- \_\_\_\_\_ All corrections made in the electronic files
- \_\_\_\_\_ All tracked changes accepted in the electronic files

## Tables and Figures

- \_\_\_\_\_ Titles and numbers for all tables, figures, and exhibits
- \_\_\_\_\_ Appropriate source lines for all tables, figures, and exhibits
- \_\_\_\_\_ Indicate whether table, figure, or exhibit has been adapted or reprinted source. If using by permission, indicate so.
- \_\_\_\_\_ Each table, figure, or exhibit is referred to in text by number

## References

- \_\_\_\_\_ Adhere to *Publication Manual of the American Psychological Association 6<sup>th</sup> edition*
- \_\_\_\_\_ All citations are listed in references
- \_\_\_\_\_ All references are cited in text

## **2018 RESEARCH MONOGRAPH SERIES**

### **EDITOR**

*Dr. John G. Wells, Virginia Polytechnic Institute and State University*

### **CO-EDITOR**

*Dr. Raymond A. Dixon, University of Idaho*

### **EDITORIAL REVIEW BOARD**

*Mr. Keith Doucette, East Greenwich High School*

*Dr. Fred Figliano, Troy University*

*Dr. Ashley Gess, Augusta University*

*Dr. Charlotte Holter, John Wayland Elementary School*

*Ms. Joanna Papadopoulos, Virginia Tech*

*Dr. Susheela Shanta, Virginia Tech*

*Dr. Mike Walach, Eastern Kentucky University*

*Dr. John Williams, Curtin University, Australia*