

Scope of the JTE

The *Journal of Technology Education* provides a forum for scholarly discussion on topics relating to technology and engineering-related education. Manuscripts should focus on technology and engineering-related education research, philosophy, and theory. In addition, the *Journal* publishes book reviews, editorials, guest articles, comprehensive literature reviews, and reactions to previously published articles.

Technology and Engineering Education (T&EE) is a program that resides at the P-12 school levels for all students and at post-secondary institutions for those students interested in teaching or obtaining employment in the technology or engineering fields. Technology and engineering education is primarily taught by technology and engineering teachers, with a focus on engineering design. T&EE may be considered a stand-alone discipline or part of a larger discipline in science, technology, engineering, and mathematics (STEM). Regardless of the approach, T&EE focuses on technological literacy and engineering design; engineering design is the verb tense of engineering.

At the P-12 grade levels, the goal is for students to develop technological and engineering literacy, regardless of career aspirations, through hands-on, contextual applications of technological and engineering concepts. T&EE students, use a hands-on approach to solve technological problems using problem solving and creativity, while working under constraints, which involves the use of optimization and predictive analysis. At the P-5 grade levels, technology and engineering concepts are integrated into existing coursework such as reading, mathematics, science, and social studies. Typical courses students would take at the 6-12 grade levels in a T&EE program would consist of (a) information and communication technologies, including computer-aided drafting and design, (b) engineering design, (c) construction technology, (d) manufacturing technology, (e) energy, power, and transportation technology, and (f) medical, agricultural, and related biotechnologies. Within these courses, students would utilize troubleshooting, research and development, invention and innovation, and problem solving. The focus of T&EE at the P-12 levels is not to prepare future engineering majors/students, but to provide an education for all students.

Editorial/Review Process

Manuscripts that appear in the *Articles* section have been subjected to a blind review by three or more members of the Editorial Board. This process generally takes from six to eight weeks, at which time authors are notified of the status of their manuscript. Book reviews, editorials, and reactions are reviewed by the Editor.

Manuscript Submission Guidelines

One paper copy of each manuscript and an electronic version in Microsoft Word format should be submitted to:

Chris Merrill, JTE Editor
Department of Technology
Illinois State University
215 Turner Hall
Normal, IL 61790-5100

1. Overseas submissions in Microsoft Word format may be sent electronically via the Internet (to cpmerri@ilstu.edu) to expedite the review process.
2. All manuscripts must be double-spaced and must adhere to the guidelines published in *Publication Guidelines of the American Psychological Association* (6th Edition). **Tables and figures, however, should be imbedded within the text itself rather than at the end of the document.**
3. **All figures and artwork must be scalable to fit within the JTE page size (4.5" x 7.25" column width and length) and included electronically within the document.**
4. Line drawings and graphs must be editable within Microsoft products and in vector rather than raster format when possible.
5. **Shading should not be used as a background for illustrations or graphs and within bar graphs.** If needed, fill patterns consisting of lines should be used.
6. Manuscripts for articles should generally be 15-20 pages (22,000-36,000 characters in length, with 36,000 characters an absolute maximum). Book reviews, editorials, and reactions should be approximately four to eight manuscript pages (approx. 6,000-12,000 characters).
7. Authors for whom English is not the primary language must enlist a native English editor for the manuscript prior to submission. This person and his/her email address must be identified on the title page of the manuscript.

Subscription Information

The *Journal of Technology Education* is published twice annually (Fall and Spring issues). New and renewing subscribers should copy and mail the form below:

Name (please print) _____

Mailing Address (please print) _____

Email address: _____ Fax: _____

New Subscription Renewal Subscription

Make checks payable to: *Journal of Technology Education*. All checks *must* be drawn on a US bank.

Regular (USA): \$20

Regular (Canada/Overseas): \$30

Library (USA): \$30

Library (Canada/Overseas): \$40

Individual Back Issues (USA): \$10 each

Individual Back Issues (Canada/Overseas): \$15 each

Return remittance along with this form to:

Chris Merrill, JTE Editor

Department of Technology

Illinois State University

215 Turner Hall

Normal, IL 61790-5100

JTE Co-Sponsors & Membership Information

The International Technology and Engineering Educators Association (ITEEA) is a non-profit educational association concerned with advancing technological literacy. The Association functions at many levels – from international to local – in responding to member concerns. The Council on Technology and Engineering Teacher Education (CTETE), affiliated with the ITEEA, is concerned primarily with technology teacher education issues and activities. For membership information, contact: ITEEA, 1914 Association Drive, Reston, VA 22091 (703) 860-2100.

Journal of Technology Education

Editor

Chris Merrill, Illinois State University

Technical Editor

Amanda Fain, Illinois State University

Previous Editors

Mark Sanders, Virginia Polytechnic Institute and State University (1989-1997)

James LaPorte, Virginia Polytechnic Institute and State University (1997-2010)

Editorial Review Board

Vincent Childress, North Carolina Agricultural and Technical University

Rodney Custer, Black Hills State University

Jenny Daugherty, Louisiana State University

Marc deVries, Delft University of Technology, The Netherlands

Jim Flowers, Ball State University

W. Tad Foster, Indiana State University

Ronald Hansen, University of Western Ontario, Canada

Christine Hailey, Texas State University

Hyuksoo Kwon, Kongju National University, Republic of Korea

Oenardi Lawanto, Utah State University

Theodore Lewis, University of Trinidad and Tobago

Philip Reed, Old Dominion University

Mary Annette Rose, Ball State University

Kay Stables, Goldsmiths University of London, England

Ken Volk, Masdar Institute of Science and Technology, Abu Dhabi

John Wells, Virginia Polytechnic Institute and State University

John Williams, University of Waikato, Hamilton, New Zealand

Electronic Access to the JTE

All issues of the *Journal of Technology Education* may be accessed on the World Wide Web at: <http://scholar.lib.vt.edu/ejournals/JTE/> (Note: this URL is case sensitive).

Directory of Open Access Journals Statement

As an open access journal, the *JTE* does not charge fees for authors to publish or readers to access.

The views expressed in this publication are not necessarily those of the Editor or the Editorial Review Board, or the officers of the Council on Technology and Engineering Teacher Education and the International Technology and Engineering Educators Association.