



Members' Update  
Fall 2022

Council on Technology and Engineering Teacher Education

*CTETE Executive Committee*



Prof. Clark Greene  
President



Dr. Steven Shumway  
Past-President



Dr. Todd Kelley  
Vice-President



Dr. Josh Brown  
Treasurer



Dr. Bradley Bowen  
Secretary

### ***From the President***

Dear members and friends of CTETE,

I am humbled to introduce myself as the incoming President of the CTETE. Having survived the challenges of maintaining a viable technology teacher education program at Buffalo State College for the past 23 years, I share with all of you the experience of sustaining our mission. I would like to personally thank my two predecessors in this job, Steve Shumway and Charlie McLaughlin for their praiseworthy efforts and work on behalf of all of us. Many thanks to them for their guidance and patience as I attempt to succeed in this new venture. In the spirit of a productive relationship with the executive committee, CTETE members and others throughout the Technology and Engineering Teacher Education community, I bring both enthusiasm and concern regarding our future.

It goes without saying that most of us have experienced the unique ability of technology and engineering education to enhance student learning and motivation in ways that other subjects do not. I believe that it is critical that we continue to enable this to happen through the presence, strength, and growth of collegiate technology and engineering teacher education programs, a major tenet of the CTETE. Thwarting this goal are diminishing numbers of programs, limited terminal degree opportunities, competing interests, monetary voids and general misunderstanding. As an eternal optimist, I still see exemplary evidence of our work that continues to represent the best of educational methods. What we do is in line with the promoted practices of the most celebrated educational innovators and philosophers of the past three centuries.

My approach as a program coordinator and classroom instructor has been that of a cheerleader. I welcome that characterization as I believe generating and invoking passion is a key element of achievement. We have many goals to reach in

the months and years ahead of us. Increase in published research, potential reconfiguration of organizational dynamics, possible expansion of teacher education programs, cultivation of new relationships with STEM partners, and much more. I ask you to join me and help me with your ideas, energy, and volunteerism as we navigate the uncharted future of technology an engineering teacher education. I am looking forward to working together with everyone as we traverse the time ahead.

Professor Clark Greene



### ***CTETE Information ITEMS***

As we begin this fall semester season, we would like to make you aware of some several professional items that will potentially affect ITEEA and CTETE.

#### **2+2+2 Leadership Model**

The first involves the leadership structure of councils within ITEEA. At the ITEEA Board Meeting at the end of the Orlando Conference, and again during the summer board meeting, there was discussion of councils within ITEEA adopting a common 2+2+2 leadership model (Two years as President Elect., Two years as President, Two years as Past President). Having all councils within ITEEA adopt this model not only allows for an obvious alignment of timing for council members serving on the ITEEA Board but also allows for those elected to have some time to better understand their duties before assuming their role as president. Given that CTETE currently has a 3+3 model (President – Past-President), to adopt this model CTETE would need to make major modifications to the CTETE Constitution and present these to the CTETE membership for discussion and vote. We note that the other CTETE Offices of vice-president, secretary, treasurer, and communications officer would most likely remain three-year appointments, but this is also open for discussion.

### *Changes to the CTETE page on the ITEEA Website.*

This past year, CTETE leadership received requests to add access to the CTETE Yearbooks to the CTETE page of the ITEEA Website. This request, along with other minor changes, have been added to the CTETE page.

<https://www.iteea.org/About/Leadership/40079/CTETE.aspx>

Additional information can be found at the CTETE Webpage: <http://ctete.org/>

### *CTETE Sessions at ITEEA.*

To simplify the process for all presentations given at the 2023 ITEEA Conference, CTETE and other councils were asked to use the CVENT application process to submit applications for presentations at the 2023 conference. In the application, these sessions were identified under the “Teacher Educators/Research” category and applications were accepted using the CVENT system and peer- reviewed by a CTETE committee during summer of 2022. At the 2023 ITEEA Conference, these sessions will be identified with a primary audience of “Teacher Educators/ Research” but include a secondary audience in a few cases – such as “Secondary Education” or “STEM Career.”

CTETE will be listed as the organizer of the Teacher Educator/Research Strand’ and presentations can be designated as peer reviewed. Similar to last year’s conference, ITEEA will not have a printed program, but will ensure that the conference app and the program on the conference website recognizes each of the ITEEA Councils’ relationship to the relevant sessions/strands.

### *ITEEA Publications Task Force*

This summer, CTETE received a request from the ITEEA Publications Task Force for a CTETE representative to join in reviewing current publication practices, gathering data about membership needs and wants from ITEEA publications, and developing a strategy for revising ITEEA journal publications based on member needs and wants and increasing revenue from ITEEA Journal Publications. CTETE Vice-President Dr. Todd Kelley has accepted the assignment to be a member of this committee and represent CTETE interests.



## ***Mississippi Valley Technology Teacher Education Conference***

The 108<sup>th</sup> meeting of the Mississippi Valley Technology Teacher Education Conference and the 59<sup>th</sup> meeting of the Southeastern Technology Education Conference (held jointly) which will be held at the Clarion Hotel, Nashville Downtown Stadium in Nashville, TN on Thursday and Friday November 17-18, 2022. Meeting continuously since 1909, the Mississippi Valley Conference is the oldest professional organization in our field. It is strongly encouraged that Technology and Engineering Teacher Educators attend the Conference and observe the unique nature of this annual event. The sessions focus on innovative/creative programs or projects, research relative to technology and engineering education or STEM education; and, research and projects designed to improve the delivery of project-based learning, standards, technological literacy or related information.

The Mississippi Valley Technology Teacher Education Conference registration and hotel information is now available on the MVTTEC website <http://www.mississippivalley.org/> The conference registration cost is only \$120 for members and guests and \$40 for students—one of the lowest conference registration costs out there. Members and guests will need to make their own reservations for lodging at the Clarion Hotel. The rate for lodging is \$199 plus tax for a single or a double room.

Contact the hotel at <https://www.choicehotels.com/reservations/groups/PS47T1> to make your reservation for lodging. Make sure that you specify that you will be attending the “Mississippi Valley Conference” when making your reservation to get the conference rate. We hope to see you in Nashville!

---

### **Review of CTETE Committee Proposed Tasks for 2022-2023**

#### ***Curriculum Committee: Dr. Scott Bartholomew – Chair***

- Published article in the *Technology and Engineering Teacher* on International lesson plans.  
<https://www.iteea.org/STELLessonPlans/189232.aspx>
- Prepare peer-reviewed article in the *Technology and Engineering Teacher* regarding the teaching of measurement in T&E Classrooms.

***Research and Scholarship Committee: Dr. Fred Figliano – Chair***

- Facilitate the review of proposals to present research sessions at the 2023 ITEES Conference.
- Facilitate CTETE Awards: Outstanding Research and Silvius/Wolansky

***Leadership Committee: Dr. Aaron Clark - Chair***

- Continue with professional development panels during the ITEEA Conference
- Continue to work with the 21<sup>st</sup> Century Leadership Group

***Marketing Committee: Dr. Tyler Love - Chair***

- Work with ITEEA marketing task force to promote STEL to teacher preparation programs in TEE and other areas. This could potentially involve marketing materials or vignette style lesson plans and articles.
- Develop form/letter to send to all winners of CTETE awards to promote PR for CTETE and members via university press releases.
- Work with ITEEA marketing task force to promote STEL to teacher preparation programs in TEE and other areas. This could potentially involve marketing materials or vignette style lesson plans and articles.
- Coordinate efforts between CTETE marketing committee and the CTETE directory and Teacher Recruitment committee to provide more accurate and efficient program information.



## ***CTETE Award Recipients 2022***

CTETE Outstanding Research Award: *“Teaching Math Modeling through 3D-Printing: Examining the Influence of an Integrative Professional Development”*

- Dr. Tyler Love - Penn State: Harrisburg
- Dr. Reuben S. Asempapa - Penn State: Harrisburg



Silvius/Wolansky Outstanding Publication Award: *“Learning by evaluating (Lbe) through adaptive comparative judgement”*

- Dr. Scott Bartholomew: Brigham Young University
- Dr. Nathan Mentzer: Purdue University
- Matthew Jones: Purdue University
- Derek Sherman: Purdue University
- Sweta Baniya: Virginia Tech



Gerhard Salinger Award for Enhancing I-STEM Education Through Technological Engineering Design-Based Instruction

- Dr. Nathan Mentzer: Purdue University
- Dr. Andrew Jackson: University of Georgia
- Mr. Ryan Novitski: ITEEA STEM Center
- Dr. Rebecca Kramer-Bottiglio: Yale University



*Title of Project: ‘Soft Robotics to Broaden the STEM Pipeline’*



The 2022 CTETE Technology and Engineering Teacher Educator of the Year Award

- Dr. Aaron Clark
  - North Carolina State University



## **Past-President Reflection**

Each year, during the CTETE Business Meeting, the CTETE Treasurer presents a financial report. Given that many members were unable to attend the last business meeting, I wanted to provide a quick financial review of general CTETE expenses. I note that the yearly dues to join CTETE is \$40 and with an approximate membership of 100 members this results in a yearly budget of around \$4000.

- CTETE provides yearly contributions of \$1000 **each** to the 21st Century Leadership and TEECA Leadership groups to help with expenses for their operation.
- The expenses for the CTETE Awards and recognition of CTETE colleagues, including stipends and plaques, is approximately \$800-\$1000.
- Budget requests from CTETE Committees range from \$1000-\$2000.

Hopefully, providing for leadership opportunities of young professionals, recognition of colleagues and committee initiatives is a proper expenditure of dues received for membership in CTETE.

This summer, in a moment of reflection, I sent an email to the other members of the CTETE Executive Committee asking a question that I had as a new teacher educator 30 years ago and one that I continue to ask myself today: "Why would a Technology and & Engineering Teacher Education professional desire to join CTETE?" Below are some of my reflections regarding the benefits of CTETE membership. I welcome any comments and corrections to this list from colleagues.

- Participation in the JTE: While you don't have to be a CTETE member to submit to the JTE, CTETE membership enables you to participate in the oversight of the journal.
- Participation in the CTETE Yearbook: Typically, participation in the yearbook (editing and the writing of chapters) is enhanced by membership in CTETE. Additionally, the opportunity to receive a Yearbook and be a participant in the Yearbook creation process is a compelling reason to be a member of CTETE.
- CTETE Sessions at ITEEA Conference. The opportunity to present a peer-reviewed session at the ITEEA Conference has been a compelling reason to join CTETE. CTETE is working with ITEEA to try to make sure CTETE visibility and peer-reviewed opportunities continue to exist at the yearly conference.
- Professional Recognition: CTETE provides a service to the membership to nominate colleagues for professional participation in service and research/publications. This opportunity for recognition for service and

publications by your peers has been, and continues to be, a compelling reason to join CTETE.

- Professional Participation on Committees. In my years of participation in CTETE, committee work has been a hit and miss situation. If done correctly, participation on CTETE committees can not only further the cause of the profession but can lead to publications and professional recognition and is a potential compelling reason to join CTETE.
- Professional Initiatives: Many of the initiatives that have strengthened our profession, like the STL and STEL were initiated by CTETE leadership and is a strong, compelling reason to join CTETE.
- Continuing Faculty Status/Advancement in Rank: For each of us to be successful teacher educators and to progress through the rank and status process at our universities, we need membership in an organization that will not only further the interests of the profession, but that will also enable each of us demonstrate excellence through external review. Things like external review letters and professional membership are integral to this process. Each year, senior faculty that are members of CTETE provide external review for colleagues seeking CFS/AIR.

***Dr. Steven Shumway: CTETE 2019-2022 President***

### ***In Memoriam***

Many of you received information about the passing of Dr. Paul DeVore in an earlier communication from ITEEA. Just in case you did not receive this information, we have included it in this newsletter. Dr. DeVore was a very influential member of the profession. His contributions to the profession were profound.



### **Passing: Paul W. DeVore**

Paul W. DeVore, age 96, passed away Thursday, August 4, 2022. DeVore served as President of AIAA, a writing team member for TfAAP, and had been awarded ITEEA's DTE and Award of Distinction Designations. Paul served two years in the South Pacific during World War II. He received his Master's degree from Kent State University and his Ph.D. at Penn State.

