



# Minutes of the 2021 meeting of the TAAPT

**Joint Meeting of the NCS-AAPT and TAAPT  
Saturday, April 10, 2021  
Virtual Meeting via Zoom**

The 2020 Tennessee section of Association of American Physics Teachers' annual meeting was originally scheduled to be held at MTSU, but was cancelled the week before the scheduled meeting day because of the sudden impact of COVI-19 worldwide. Although many people started receiving COVI-19 vaccines in the spring of 2021, traveling or gathering in doors in large groups are still considered to be less safe. We happily accepted the proposal from Dr. Grant Thompson, the chair of North Carolina Section of the American Association of Physics Teachers, to hold a joint virtual zoom conference this year.

The joint meeting started at 8:00 am and ended slightly before 2:00 pm (east time). At the peak time, 44 people attended the zoom meeting. Table 1 at the end of this document shows the attendees from TN section and Table 2 shows all the presenters and the titles of their talks.

Following the joint meeting, the members of TAAPT section conducted a business meeting on the following agendas:

- 1) Location for the annual meeting of 2022. It was agreed that Dr. Spencer Buckner would contact Dr. Nat Smith from MTSU regarding whether he could be the chair for the 2022 meeting since the 2020 meeting was cancelled unexpectedly. If he agrees, he would be the chair-elect for the year of 2021-2022. (See Table 3)
- 2) Dr. Christine Cheney from University of Knoxville is the chair-elect for 2022-2023. (See Table 3)
- 3) Drs. Spencer Buckner and Pei Xiong-Skiba, both from Austin Peay State University, were re-elected as the section representative and secretary/treasurer (2021-2022), respectively. (See Table 3)
- 4) No membership fee collected this year since no actual expenses associated with a virtual meeting. Dr. Cahit Erkal of University of Tennessee at Martin (chair-elect for 2020-2021) contacted NCS-AAPT regarding the cost of student awards after the meeting and was informed that TAAPT did not need to share this cost.
- 5) Dr. Eugenii Doneve from APSU indicated that he might be able to find someone to assist us to setup a "permanent" website for TAAPT.
- 6) The meeting approved Dr. Pei Xiong-Skiba's Financial Report for 2019-2021. Minutes for Meeting 2019 would be emailed to the meeting attendees later, seeking for approval.
- 7) Dr. Spencer Buckner briefly reported the past and future national AAPT meeting dates and locations.

Finally, we would like to thank Drs. Grant Thompson and Cahit Erkal to cohost this annual meeting. We all felt that it was a successful zoom meeting.

Pei Xiong-Skiba  
Secretary/Treasurer, TAAPT  
April 17<sup>th</sup>, 2021

Table 1 - List of Attendees (TAAPT Section)

<b>Faculty</b>	<b>Affiliations</b>	<b>Email</b>
Cahit Erkal	University of Tennessee at Martin	<a href="mailto:cerkal@utm.edu">cerkal@utm.edu</a>
Krista McBride	Belmont University	<a href="mailto:krista.mcbride@belmont.edu">krista.mcbride@belmont.edu</a>
Christine Cheney	University of Tennessee	<a href="mailto:ccheney@utk.edu">ccheney@utk.edu</a>
James Parks	University of Tennessee, Knoxville	<a href="mailto:jeparks@utk.edu">jeparks@utk.edu</a>
Spencer Buckner	Austin Peay State University	<a href="mailto:buckners@apsu.edu">buckners@apsu.edu</a>
Justin Oelgoetz	Austin Peay State University	<a href="mailto:oelgoetzj@apsu.edu">oelgoetzj@apsu.edu</a>
Jason Alexander	University of Tennessee at Martin	<a href="mailto:jalex39@utm.edu">jalex39@utm.edu</a>
Eugenii Doneve	Austin Peay State University	<a href="mailto:doneve@apsu.edu">doneve@apsu.edu</a>
Pei Xiong-Skiba	Austin Peay State University	<a href="mailto:xiongp@apsu.edu">xiongp@apsu.edu</a>
Jason Alexander	University of Tennessee at Martin	<a href="mailto:jalex39@utm.edu">jalex39@utm.edu</a>
Chuck Higgins	Middle Tennessee State University	<a href="mailto:chiggins@mtsu.edu">chiggins@mtsu.edu</a>
Shephard Gordan		
Abebe Kebede		
<b>Students</b>		
James Forsythe	Austin Peay State University	<a href="mailto:jforsythe4@my.apsu.edu">jforsythe4@my.apsu.edu</a>
Killian Prue	Austin Peay State University	<a href="mailto:kprue@my.apsu.edu">kprue@my.apsu.edu</a>
Jason Rivas	Austin Peay State University	<a href="mailto:jrivas5@my.apsu.edu">jrivas5@my.apsu.edu</a>
Nicholas Cottingham	Austin Peay State University	<a href="mailto:ncottingham@my.apsu.edu">ncottingham@my.apsu.edu</a>

Table 2 (a) - List of Workshop Presenters:

<b>Presenters (Oral)</b>	<b>Titles</b>
<i>Don Smith Guilford College</i>	Interactive Introduction to the Concepts of Machine Learning
<i>Joe Heafner Catawba Valley Community College</i>	Incorporating LaTeX and GlowScript Into Your Courses

Table 2 (b) - List of Poster Presenters:

<b>Presenters</b>	<b>Titles</b>
<i>Killian Prue Austin Peay State University</i>	Temperature Dependence of Photocurrent in Mixed Ge-Sb-Bi- Based Chalcogenide Thin Films
<i>Chuck Higgins Middle Tennessee State University</i>	Radio JOVE Project and NASA Citizen Science
<i>James Forsythe Austin Peay State University</i>	Compositional and Temperature Dependence of Indirect Optical Gap in As-S Glasses
<i>Eric Eaton East Carolina University</i>	Argumentation Practices in the Physics Labs: Linking Growth to Time on Task

<i>Jason Rivas</i> <i>Austin Peay State University</i>	Compiling Dissolve on PSC's Bridges-2 HPC Resource
<i>Evert Garcia-Guzman</i> <i>University of North Carolina at Pembroke</i>	Case Study Analysis of Eigenvector Continuation Method Applied to the Anharmonic Oscillator
<i>Chuck Higgins</i> <i>Middle Tennessee State University</i>	Radio JOVE Project and NASA Citizen Science

Table 2 (c) - List of Contributors (Oral Presenters):

<b>Oral Presenters</b>	<b>Titles</b>
<i>Cahit Erkal</i> <i>The University of Tennessee at Martin</i>	Reflections on Online Introductory Physics Teaching During the Pandemic
<i>Joe Heafner</i> <i>Catawba Valley Community College</i>	Using Oral Interviews as Assessments
<i>Stefan Jeglinski</i> <i>University of North Carolina at Chapel Hill</i>	Restructuring a Microcontrollers Course in Pandemic Times: Lessons and Opportunities
<i>Kristen Thompson</i> <i>Davidson College</i>	Google Sites as a Platform for Student Portfolios and Lab Notebooks
<i>Kerri Prinos</i> <i>Davidson College</i>	Developing a User-Friendly Program for Gold Nanoparticle Studies
<i>Nicholas Cottingham</i> <i>Austin Peay State University</i>	Measured Versus Simulated Light Transmission Through Nanohole Arrays in Gold and Vanadium
<i>Krista McBride</i> <i>Belmont University</i>	Customizing a Physics Course for Non-physics Majors Using Relevant Problems
<i>Michael Ruiz</i> <i>University of North Carolina at Asheville</i>	The YouTube Channel Doctorphys

Table 3 - Officers of Elect (2021-2022):

<b>Names</b>	<b>Titles</b>
Nat Smith of Middle Tennessee State University	Chair of Elect (2021-2022)
Christin Cheney of University of TN at Knoxville	Chair of Elect (2022-2023)
Spencer Buckner of Austin Peay State University	Section Representative (2021-2022)
Pei Xiong-Skiba of Austin Peay State University	Secretary/Treasurer (2021-2022)