



The Joint Fall 2020 Meeting of the Texas Section of the APS (TSAPS), Texas Section of the AAPT, and Zone 13 of the Society of Physics Students will be held **November 12-14, 2020 virtually** with the University of Texas at Arlington hosting the conference. The meeting will draw participants from all fields of physics and physics education throughout Texas and contiguous states.



TSAPS 2020 Fall Meeting Website: <https://www.uta.edu/physics/TSAPSF20/>

DEADLINES

[Online Registration](#) is currently available. The early registration deadline is October 25. Note that one need not be an APS member to register for the meeting and all registrations **are FREE of charge**.

Registration at

https://my.aps.org/NC_Event?id=a0lf400000BH3KXAA1

<https://www.uta.edu/physics/TSAPSF20/>

[Sign up to judge student oral presentations](#): Attendees with Ph.D.s in physics or related field are encouraged to sign up to judge student oral presentations. ***We need your help, and students need your support!*** (sign up at <https://www.uta.edu/physics/TSAPSF20/>)

Abstract submission for contributed talks has a deadline of October 31. All presentations are oral and virtual for this meeting. No poster presentations. Please contact the corresponding committee members for each area as below if any questions.

For more information regarding the conference, please contact the Chair of the organizing committee, Prof. Dr. Wei Chen (weichen@uta.edu).



General abstract submission: <http://abstracts.aps.org/>.




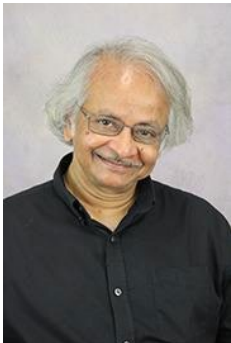
For invited speakers, please submit <http://abstracts.aps.org/invited>

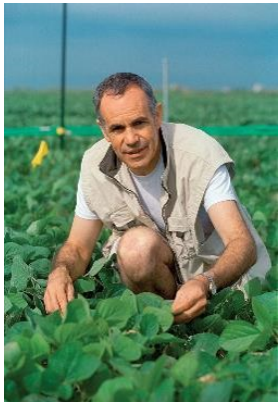

Areas	Committee members and contact information
General Information	Dr. Wei Chen, Conference Chair Professor of Physics Email: weichen@uta.edu Holly Zander Administrative Services Officer I holly.zander@uta.edu
High Energy and Particle Physics	Dr. Jonathan Asaadi Assistant Professor of Physics Email: jonathan.asaadi@uta.edu Dr. Benjamin Jones Assistant Professor of Physics Email: ben.jones@uta.edu
Condensed Matter Physics	Dr. Muhammad N. Huda Associate Professor of Physics Email: huda@uta.edu
Medical Physics	Dr. Yujie Chi Assistant Professor of Physics Email: yujie.chi@uta.edu Dr. Mingwu Jin Associate Professor of Physics Email: mingwu@uta.edu
Space Physics	Dr. Daniel Welling Assistant Professor, Email: daniel.welling@uta.edu
Astrophysics	Dr. Manfred Cuntz Professor Email: cuntz@uta.edu


Data Science	Dr. Amir Shahmoradi Assistant Professor Email: a.shahmoradi@uta.edu
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Keynote Speakers for TSAPS 2020, Nov. 12-14, UT Arlington

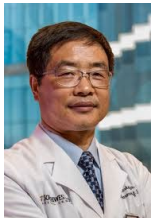
<i>Name</i>	<i>Title</i>	<i>Institution</i>	<i>Area</i>
Dr. David Nygren 	<i>Presidential Distinguished Professor Member of National Academy of Sciences</i>	<i>Department of Physics The University of Texas at Arlington</i>	<i>High Energy and Particle Physics</i>
Dr. Jodi Cooley 	Professor of Physics AAAS Fellow Klopsteg Memorial Lecture Award	Department of Physics Southern Methodist University	Dark Matter Physics Neutrino Physics
Dr. James Coleman	<i>Presidential Distinguished Professor Dr. Richard N. Claytor Professor</i>	<i>Department of Physics and department of Electric Engineering</i>	<i>Condense Matter Physics, Quantum Materials</i>

	<p><i>Member of National Academy of Engineering</i></p>	<p><i>The University of Texas at Arlington</i></p>	
<p><i>Dr. Gary Zank</i></p> 	<p><i>Director of CSPAR Aerojet Rocketdyne Chair in Space Science, Eminent Scholar, Trustee Professor Member of National Academy of Sciences</i></p>	<p><i>Department of Space Science (SPA) at The University of Alabama in Huntsville</i></p>	<p><i>Interplanetary space physics Physics of the solar corona Physics of the local interstellar medium</i></p>
<p><i>Dr. Tsun-Kong (T.K.) Sham</i></p> 	<p><i>Distinguished University Professor Fellow of the Royal Society of Canada Canada Research Chair Officer of Order of Canada Hellmuth Prize</i></p>	<p><i>Department of Chemistry Western University Canada</i></p>	<p><i>Materials Science Synchrotron Spectroscopy and Energy Materials</i></p>
<p><i>Dr. Supriyo Datta</i></p> 	<p><i>Thomas Duncan Distinguished Professor Member of National Academy of Engineering Morrill Award Winner</i></p>	<p><i>Electrical and Computer Engineering, College of Engineering, Purdue University</i></p>	<p><i>quantum transport Physics and nanoelectronics Nanostructures</i></p>

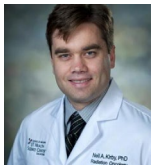



<p>Dr. Steve Long</p> 	<p>Ikenberry Endowed University Chair Member of the National Academy of Sciences (NAS) Fellow of AAAS and ASPB</p>	<p><u>School of Integrative Biology University of Illinois at Urbana- Champaign</u></p>	<p><i>Plant Science</i> energy crops mathematical models of photosynthesis</p>
<p><i>Dr. Nicholas A. Kotov</i></p> 	<p><i>Joseph B. and Florence V. Cejka Professor Top 25 Materials Scientists in 2000- 2010, 2011 and Top 100 Chemists in 2000-2010, 2011 Thomson Reuters ACS Nano Editor</i></p>	<p><i>Department of Chemical Engineering University of Michigan</i></p>	<p><i>Nanomaterials Nanotechnology Nanobiotechnology</i></p>

<p><i>Dr. Zhifeng Ren</i></p> 	<p><i>M. D. Anderson Chair Professor, Director of Texas Center for Superconductivity at the University of Houston (TcSUH), Editor-in-Chief of Materials Today Physics</i></p>	<p><i>Department of Physics, University of Houston</i></p>	<p><i>Nanomaterials Nanophysics Condensed Matter Physics</i></p>
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INVITED SPEAKERS (MEDICAL PHYSICS) (more speakers in other areas will be coming soon)

Invited Speakers (Medical Physics) for TSAPS 2020, Nov. 12-14, UT Arlington			
Name	Title	Institution	Area
<p>Dr. Xiankai Sun</p> 	<p>Professor and Director, Cyclotron & Radiochemistry Program Dr. Jack Krohmer Professor in Radiation Physics</p>	<p>Department of Radiology and Advanced Imaging Research Center at the UT Southwestern Medical Center</p>	<p>Molecular Imaging Probes Theranostic Agents Multi-parametric Imaging & Data Analysis</p>

<p>Dr. Xun Jia</p> 	<p>Professor</p> <p>ABR-certified Medical Physicist</p> <p>Director of the Medical Physics Track for the BME Graduate Program</p> <p>John Laughlin Award</p>	<p>Department of Radiation Oncology at the UT Southwestern Medical Center</p>	<p>Medical Imaging</p> <p>Radiotherapy</p> <p>Deep Learning</p>
<p>Dr. Felicia S. Manciu</p> 	<p>Professor</p> <p>Director of the Optical Spectroscopy and Microscopy Laboratory</p>	<p>Department of Physics</p> <p>Border Biomedical Research Center (BBRC) at the University of Texas at El Paso</p>	<p>Optics</p> <p>Nanotechnology</p> <p>Biophysics</p>
<p>Dr. Juyang Huang</p> 	<p>Professor</p>	<p>Department of Physics and Astronomy at the Texas Tech University</p>	<p>Biophysics</p> <p>Biomembranes</p> <p>Fluorescence Tech</p> <p>Molecular Dynamics</p>
<p>Dr. Jason Slinker</p> 	<p>Associate Professor</p> <p>Head of Physics Undergraduate Program</p> <p>Regents Outstanding Teaching Award</p> <p>Hyer Award for Research</p>	<p>Department of Physics at the University of Texas at Dallas</p>	<p>Optoelectronics</p> <p>Electrochemical Sensor</p>
<p>Dr. Mingwu Jin</p> 	<p>Associate Professor</p>	<p>Department of Physics, University of Texas at Arlington</p>	<p>Medical Imaging</p> <p>Tomography</p> <p>MRI</p>

<p>Dr. Neil Kirby</p> 	<p>Associate Professor ABR-certified Medical Physicist</p>	<p>Radiation Oncology, UT Health San Antonio</p>	<p>Medical Physics DNA dosimeter</p>
<p>Dr. Anton Naumov</p> 	<p>Assistant Professor Member at Large at Electrochemical Society</p>	<p>Department of Physics and Astronomy at the Texas Christian University TCU & UNTHSC Medical School</p>	<p>Carbon Nanotechnology Nanomedicine Biomedical imaging</p>
<p>Dr. Lloyd Lumata</p> 	<p>Associate Professor</p>	<p>Department of Physics, University of Texas at Dallas</p>	<p>Cancer Metabolism MRI NMR spectroscopy</p>
<p>Dr. Yujie Chi</p> 	<p>Assistant Professor Rising Stars Award</p>	<p>Department of Physics, University of Texas at Arlington</p>	<p>Computational Physics Radiobiology</p>