



**Program**  
**54<sup>th</sup> Meeting of the Texas Society for Microscopy**  
**The University of Texas at San Antonio**

Friday, 22<sup>nd</sup> of February 2019

Time	UTSA Student Union (Room: Travis)
8:00 a.m. - 8:45 a.m.	<b>Registration</b> <b>Breakfast</b>
	<b>UTSA Student Union (Room: Denman)</b>
8:00 a.m. - 10:00 a.m. 8:00 a.m. - 10:00 a.m.	<b>Vendor Setup</b> <b>Poster Setup</b>
	<b>UTSA Student Union (Room: Travis)</b>
8:45 a.m. - 9:00 a.m.	<b>Opening Remarks</b> Bernd Zechmann, TSM President Amy Jo Hammett, Program Chair
	<b>1<sup>st</sup> Session (Room: Travis)</b> <b>Session Chair: Josefina Arellano-Jimenez</b>
9:00 a.m. - 9:50 a.m. <i>Invited Speaker</i>	<b>Mapping In-Situ Dynamic Processes at Nanoscale by Electron Holography</b> <u>Arturo Ponce</u> The University of Texas at San Antonio, TX
9:50 a.m. - 10:10 a.m. <i>Corporate Speaker</i>	<b>High Resolution X-Ray Computed Tomography for Foam Characterization</b> <u>Aya Takase</u> Rigaku Americas Corporation
10:10 a.m. - 10:25 a.m. <i>Student Competition</i>	<b>Crystalline Structure Determination of ~4.5 nm Plasmonic Gold Nanocrystals using Atomic Pair Distribution Function from Precession Electron Diffraction</b> <u>Mohammad Mozammel Hoque</u> The University of Texas at San Antonio, TX
10:25 a.m. - 10:40 a.m. <i>Student Competition</i>	<b>Electron Microscopic Characterization of Polycrystalline Thin Films</b> <u>Prakash Parajuli</u> The University of Texas at San Antonio, TX
	<b>UTSA Student Union (Room: Denman)</b>
10:40 a.m. - 12:00 p.m.	<b>Poster Session</b> <b>and Vendor Exhibit</b>
	<b>UTSA Student Union (Rooms: Denman &amp; Travis)</b>
12:00 p.m.- 1:00 p.m.	<b>Lunch Buffet (Room: Denman)</b> <b>and</b>
12:30 p.m.-1:00 p.m.	<b>TSM Business Meeting (Room: Travis)</b>
	<b>UTSA Student Union (Room: Denman)</b>
1:00 p.m. - 2:30 p.m.	<b>Poster Session</b> <b>and Vendor Exhibit</b>
	<b>2nd Session (Room: Travis)</b> <b>Session Chair: Amy Jo Hammett</b>
2:30 p.m. - 3:20 p.m. <i>Invited Speaker</i>	<b>Precision Models of Human Neural Development and Disease</b> <u>Jenny Hsieh</u> The University of Texas at San Antonio, TX
3:20 p.m. - 3:35 p.m. <i>Student Competition</i>	<b>Structural and Morphological Identification of Fibrous Nanocrystals using a Battery of Transmission Electron Microscopy Sample Preparation Methods</b> <u>Marina Mulenog George</u> Baylor University, Waco, TX
3:35 p.m. - 3:50 p.m. <i>Student Competition</i>	<b>Developing a High-Throughput Screen for Modulators of the Arginylation Dependent N-end Rule Pathway</b> <u>Yasar Arfat Kasu</u> (Small Grant Winner 2018) Texas Woman's University, Denton, TX
3:50 p.m. - 4:10 p.m. <i>Corporate Speaker</i>	<b>Unique FlatQUAD SDD the Ultimate Analytical Approach</b> <u>John Mastovich</u> Bruker AXS Inc.
	<b>UTSA Student Union (Room: Travis)</b>
4:10 p.m. - 4:40 p.m.	<b>Student Awards Presentation</b> <b>Final and Closing Remarks</b>
	<b>Evening: Off-Site</b>
	<b>Dinner on Your Own</b>