

<b>Wednesday, June 20</b> <b>**Graduate student poster competition</b> <b>Poster awards sponsored by Specs</b>		
We-1	<b>**Functional electroactive nanofibers for studying material-cell interactions</b>	<i>Olubi Omotunde, Clark Atlanta University</i>
We-2	<b>**Unexpected surface electronic structure and enhanced electrochemical activity of Pd-Cu bimetallic catalyst towards formic acid electro-oxidation</b>	<i>Shuozhen Hu, Washington State University</i>
We-3	<b>**Scanning tunneling microscopy study of reversible dioxygen binding to cobalt octaethyl porphyrin deposited on HOPG</b>	<i>Ashish Bhattarai, Washington State University</i>
We-4	<b>**The role of gold nanoparticles on ZnO in photocatalytic methylene blue degradation under simulated sunlight</b>	<i>Peter Kreider, Oregon State University</i>
We-5	<b>**Thermoelectric properties of reduced polycrystalline <math>Sr_xBa_{1-x}Nb_2O_6</math></b>	<i>Christopher Dandeneau, University of Washington</i>
We-6	<b>**Von Willebrand factor structure and function on collagen substrates</b>	<i>Elaine Tronic, University of Washington</i>
We-7	<b>**Growth of ZnO nanorods and high surface area to volume ratio nano-urchins using zinc acetylacetonate</b>	<i>Katherine Han, Oregon State University</i>
We-8	<b>**Interface barrier engineering of metal/<math>\beta</math>-Ga<sub>2</sub>O<sub>3</sub></b>	<i>Hien Pham, University of Washington</i>
We-9	<b>**Resistive switching of Ga<sub>2</sub>O<sub>3</sub> single crystal and pulse laser deposited film</b>	<i>Sam Zheng, University of Washington</i>
We-10	<b>**Athermal amorphization in In<sub>2</sub>Se<sub>3</sub> phase-change nanowires</b>	<i>Xin Tao, Washington State University</i>
We-11	<b>**Temperature dependent STM study of surface structures of coronene on Au(111) formed by adsorption from heptanoic acid solutions</b>	<i>Abdolreza Jahanbekam, Washington State University</i>
We-12	<b>**Engineered nano-scale interfaces in scandia stabilized zirconia and samaria doped ceria multi-layer thin film electrolytes</b>	<i>Manjula Nandasir, Western Michigan University</i>
We-13	<b>**A quantitative determination of the effects of surface/bulk lignin and xylan contents on enzymatic hydrolysis of lignocellulosic biomass</b>	<i>Xiaohui Ju, Washington State University</i>
We-14	<b>**Characterization of Cu<sub>2</sub>ZnSnS<sub>4</sub> nanoparticles synthesized via a continuous flow microreactor</b>	<i>Brendan Flynn, Oregon State University</i>
We-15	<b>**Nitrogen induced electronic structure changes of WO<sub>3</sub> thin films</b>	<i>Rama Vemuri, EMSL at PNNL</i>
We-16	<b>**Synthesis and characterization of Ag embedded MgO metallodielectric composite</b>	<i>Subramanian Vilayurganapathy, EMSL at PNNL</i>
We-17	<b>**Continuous flow synthesis of lead sulfide nanoparticles</b>	<i>Mike Knapp, Oregon State University</i>
We-18	<b>**Microstructure evolution in the effect on the performance of Cu-In composite for the application in electronic packaging</b>	<i>Jia Liu, Washington State University</i>
We-19	<b>**Electronic structure of MoS<sub>2</sub> monolayers on copper</b>	<i>Ma Quan,</i>

		<i>University of California Riverside</i>
We-20	<b>**Hydrogen generation by electrocatalytic reforming of ethylene glycol on a Pt electrode</b>	<i>Kurt Spies, University of Washington</i>
We-21	<b>**Analysis of breast cancer cell lines with TOF-SIMS</b>	<i>Michael Robinson, University of Washington</i>
We-22	<b>**Stress driven spatial and temporal nano-crystallization in Fe-Si-B amorphous ribbons by laser processing. Microstructure and thermal model study</b>	<i>Shravana Katakam, University of North Texas</i>
We-23	<b>Optical and structural properties of SiO<sub>x</sub>/SiO<sub>y</sub> multilayer structures elaborated by LPCVD</b>	<i>Mariano Aceves-Mijares, INAOE</i>
We-24	<b>Determination of hydrogen in polymer and diamond-like carbon materials by reflection electron energy loss spectroscopy (REELS)</b>	<i>Brian Strohmeier, Thermo Fischer Scientific</i>