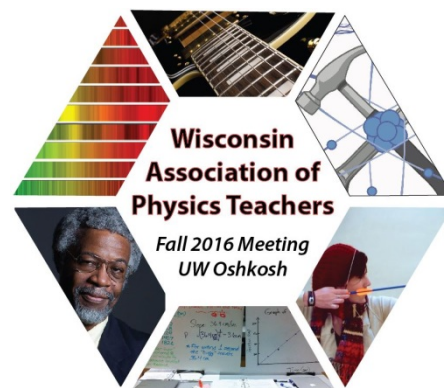


Wisconsin Association of Physics Teachers Fall 2016 Meeting

University of Wisconsin Oshkosh
October 28-29, 2016



Friday Evening

All Friday evening activities in Reeve Memorial Ballroom 227AB

4:30-6:30 pm: Registration

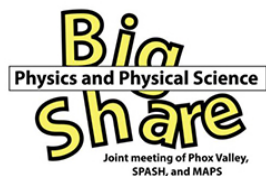
5:00 pm: Reception (lemonade and punch)

6:00 pm: Dinner ([2016 WAPT meal descriptions](#))

7:00 pm: Dr. Lane Earns, UW Oshkosh Provost (Welcome)

7:15 pm: Dr. Jim Gates, University of Maryland, Plenary Speaker

9:00 pm: Big Share!



Big Share! is a physics and physical science share meeting co-sponsored by Fox Valley (Fox Valley Physical Science Share Group), MAPS, and SPASH. **All are welcome!** Please bring your favorite physics demonstration or physics-teaching idea! Present for 10 seconds or 10 minutes! *The Plenary and Big Share! are free and open to students, teachers, and the general public.*

11:00 pm: Late night book signing/party, *Deep Learning in Introductory Physics* (Information Age Publishing), Author: Dr. Mark Lattery.

Saturday Morning and Afternoon *(see reverse side for detailed schedule)*

8:00-10:00 am: Registration (Halsey Science 367)

8:00 am: Dr. John Koker, Dean, College of Letters & Science (Welcome) (Halsey Science 107)

8:00-11:00 am: Oral Presentations (Halsey Science 107)

8:00-11:00 am: Workshops (Halsey Science 3rd Floor)

11:00-11:30 am: Posters (Halsey Science 367)

12:00-1:00 pm: Lunch and business meeting (Reeve Memorial Ballroom 227A)

1:30-5:00 pm: Oral Presentations (Halsey Science 107)

1:30-4:30 pm: Workshops (Halsey Science 3rd Floor)

Abstracts for all presentations can be found online at:
www.wapt.org/2016-meeting/schedule/

Saturday Presentation Schedule (October 29, 2016)

Type	No.	Title	Name	Time (min.)	Room	Beg Time
Saturday Morning Session (8:00 - 11:00 am), Presider: Erik Hendrickson (UW Eau Claire)						
T	0	Introduction	Mark Lattery & John Koker	15	Halsey Science 107	8:00
T	1	A Good Research Project for an Undergraduate Student	Robert Greenler	25	Halsey Science 107	8:15
T	2	Nutshell TOPHAT, Diigo, Overleaf, Piazza	Duncan Carlsmith	20	Halsey Science 107	8:42
T	3	Science and Innovation in Garage Physics	Duncan Carlsmith	20	Halsey Science 107	9:04
T	10	Online Homework: Is it for Assessment or Learning?	Matt Evans and Erik Hendrickson	20	Halsey Science 107	9:26
T	17	MD Pressure Calculation Toward Its Logical Extremes	Daniel Sinkovits	20	Halsey Science 107	9:48
T	5	ALPhA's Impacts on Undergraduate Physics Instruction	Lowell McCann	20	Halsey Science 107	10:10
T	20	STEMteach: One Year to a Teaching License	Earl Blodgett	10	Halsey Science 107	10:32
Saturday Afternoon Session (1:30-5:00 pm), Presider: Jim Madsen (UW River Falls)						
T	7	Relativity on Rotated Graph Paper using GeoGebra	Rob Salgado	20	Halsey Science 107	1:30
T	8	3D Printed Physic Tactile Objects for Science Accessibility	Steven Sahyun	20	Halsey Science 107	1:52
T	9	The Digital Newton	Mark Lattery	10	Halsey Science 107	2:14
T	11	Gravitational Waves	Swapnil Tripathi	20	Halsey Science 107	2:26
T	12	Using the World's Simplest Camera to Help Students Understand Optical Devices	Nathan Miller	20	Halsey Science 107	2:48
T	13	Physics Student Research/Internship Experience through Faculty-Company Collaboration: Lessons Learned	Ozgur Yavuzcetin	10	Halsey Science 107	3:10
T	14	Hacking the Pasco Power Brick for Direct Analog Measurements	Carey Woodward	20	Halsey Science 107	3:22
T	15	Stellar Evolution in the Classroom	Barton Pritzl	10	Halsey Science 107	3:44
T	16	REU and IRES Undergraduate Research at UWRF	Suruj Seunarine	10	Halsey Science 107	3:56
T	18	Recent Results from the IceCube Neutrino Observatory	Jim Madsen	20	Halsey Science 107	4:08
T	19	How Your Students Can Get A Star Named For Them (For Real)	Bob Benjamin	10	Halsey Science 107	4:30
T	6	An Easy Determination of an Approximate Value for Absolute Zero	Jim Mallman	20	Halsey Science 107	4:42
Saturday Morning Workshops and Roundtable						
W	1	Energy of Recurve and Compound Bows	Gary Baier	2	Halsey Science 363	8:00
W	4	Using Large Whiteboards to Introduce Constant Velocity Motion	Amy Root	1	Halsey Science 366	8:00
D	1	Roundtable Discussion for Teacher Preparation	Jennifer Docktor	1	Halsey Science 367	10:00
Saturday Afternoon Workshops						
W	2	Building Electric Guitars in the Physics Classroom	Ryan Peterson	3	Halsey Science 366	1:30
W	3	Introduction to Stellar Spectra	Nadejda Kaltcheva	2	Halsey Science 363	1:30
Saturday Morning Posters						
P	1	Learning Outcomes of Hands-On Activities in a Community College General Chemistry Classroom	Jeshanah Zolkowski	x	Halsey Science 367	11:00
P	2	Growth and Structure of Cr-Doped ZnO Thin Films	Sara Chamberlin	x	Halsey Science 367	11:00
P	3	A Spacetime Trigonometry Approach to Relativity	Rob Salgado	x	Halsey Science 367	11:00
P	4	RR Lyrae Stars in the Globular Cluster NGC 1261	Adam Shelvik	x	Halsey Science 367	11:00
P	5	Regressive-Revolutionary Modeling Behaviors in the History of Mechanics and in a Physical Science Classroom	Mark Lattery	x	Halsey Science 367	11:00
P	6	Air-Pulsed Carts and <i>Modeling Aid</i> : New Instruments for Research on Student Model-Based Reasoning	Mark Lattery	x	Halsey Science 367	11:00
P	7	Extinction-Polarization Relation for the Cygnus Star-Forming Field	Chris Christopherson	x	Halsey Science 367	11:00