

Saturday, July 20, 2019

**KEY: MH = Marriott Hotel
CC = Utah Valley Convention Center**

Sci. B. = Science Bldg.; P.S. = Pope Science (UVU)

7-4	REGISTRATION	CC-East 1st Fl.
7-11	Quiet Room	CC-Business Center
7-11	Lactation Room	CC-First Aid Room
WORKSHOPS ARE AT BRIGHAM YOUNG UNIVERSITY- EYRING SCIENCE CENTER (ESC)		
8-5	W01 Learn Physics While Practicing Science: Intro. to ISLE	S415
8-5	W02 Physics Activities for the Life Sciences (PALS)	C247
8-5	W03 Developing and Implementing NGSS 3-D Physics Lessons	N153
8-5	W04 High Altitude Ballooning	N127
8-5	W05 Visualizing Contemporary Physics	C445
8-12	W06 Quantum Mechanics with Mathematica	N212
8-12	W07 Get the Facts Out: Changing the Conversation Around Teaching	N106
8-12	W08 Fun and Engaging Labs	N131
8-12	W09 PIRA Lecture Demonstrations I & II Condensed: from PIRA	C215
8-12	W10 Mobilizing the Forgotten Army: Equipping TAs	C255
8-12	W11 Introductory Labs for Optical and Wave Physics	C425
8-12	W12 Understanding the Mathematical Constructs	N252
1-5	W13 Graph Out Loud	N362
1-5	W14 Using Universal Design for Learning to Prepare for Variation in Physics Learners' Needs, Abilities and Interests	C255
1-5	W15 PICUP: Integrating Computation into Introductory Physics	N252
1-5	W16 LIGO & Interferometers	S420
1-5	W17 Using Astronomy Demonstration Videos	N131
1-5	W18 Getting Your Paper Published	C261
1-5	W19 Breaking Glass with Sound Waves (Make & Take)	N106
1-5	W20 Machine Learning in PER	C460
6-7	Finance Committee	MH-Aspen
6-7:30	Nominating Committee	CC-Cascade A
7-8	Governance Structure Committee	MH-Aspen
7-9	Drying 'White Tears.' Interrogating Whiteness and Racism	MH-Elm
7-10	Spanish Fork Fiesta Days Rodeo PRCA, <i>ticket required</i>	Offsite

7-8:30	Two Year College Breakfast, <i>ticket required</i>	MH-Oak
8 am-10 pm	H.S. Physics Photo Contest Voting, Viewing	CC-North 3rd Fl
8:30-10	Laura Greene: The Art of Effective Negotiation Workshop	MH-Elm
8:30-10:20	AA PER: Instructional Practices and TALA Training	MH-Bryce
8:30-10:30	AB Frontiers of Astronomy	CC-Cascade D
8:30-10:30	AC Getting the Facts Out About STEM Teaching	CC-Cascade C
8:30-10:30	AD Physics of Digital Games	CC-Cascade E
8:30-10:20	AE Assessment Strategies, Esp. for Upper-division	MH-Birch
8:30-10:30	AF Researching Pedagogies and PER Resources	MH-Amphitheater
8:30-10:20	AG K-12 PER	MH-Cedar
8:30-10:20	AH Outreach for Underserved Populations	MH-Arches
8:30-10:30	AI Introductory Physics for the Life Sciences (IPLS)	MH-Canyon
8:30-10:30	AJ The History of Computation in Physics Education	MH-Aspen
8:30-10:30	AK Topical Discussion & Social for Students	CC-Cascade A/B
8:30-10:30	AL PTRA: Make, Play, Do to Learn	CC-Ballroom B
8:30-10:30	AM PTRA: Physics of Sound	CC-Ballroom A
8:30-10:30	AN International Perspectives for Laboratories	MH-Juniper
9-10	AO PER: Diversity, Equity and Inclusion: Designing Curric.	MH-Zion
9-10	Spouse/Guest Gathering	MH-Oak
9:30-6	K-12 Teachers Lounge	MH-Timpanogus
10-11	CW06 What's New from PASCO Scientific?	CC-Soldier Creek
10-5	PIRA Resource Room	CC-Exhibit Hall C
10-5	TYC Resource Room	CC-Exhibit Hall C
10-5	Exhibit Hall Open	CC-Exhibit Hall A
10:30-11	Break in Exhibit Hall	CC-Exhibit Hall A
10:50	Raffle of Fire TV Stick in Exhibit Hall	CC-Exhibit Hall A
11-11:30	Award: Halliday/Resnick Teaching-David Jackson	CC-Ballroom C
11:30-12:30	CW02 4th Law Labs: Sector Vector	CC-Cascade D
11:30-12:30	CW03 Macmillan Learning: Set Your Physics Lab Free	CC-Ballroom B
11:30-1	Research in Physics Education (RIPE) Committee*	CC-Ballroom A
11:30-1	Apparatus Committee*	MH-Arches
11:30-1	History & Philosophy of Physics Committee*	CC-Cascade C
11:30-1	Physics in High Schools Committee*	MH-Canyon
11:30-1	ALPHA Committee*	MH-Zion
11:30-1	Professional Concerns Committee*	MH-Sycamore
11:30-1	Physics in Two-Year Colleges Committee*	MH-Aspen
11:30-1	Early Career Professional Speed Networking	MH-Maple
11:30-1	K-12 Teachers' Luncheon, <i>ticket required</i>	CC-Cascade A/B
11:30-1:30	LGBTQ Meet-up	CC-Timpanogo Terrace
11:30-1	Retired Physicists Luncheon, <i>ticket required</i>	Offsite
12-1	CW01 Expert TA: Physics Video Series	CC-Cascade E
12-1	CW04 PASCO's Wireless Smart Cart & Accessories	CC-Soldier Creek
1-1:30	On Your Own Break	
1:30-2:30	CW05 What's New in PASCO Capstone Software?	CC-Soldier Creek
1:30-3:30	BA Share-a-thon: Active Learning for 2-Year Coll.	CC-Cascade A/B
1:30-3:30	BB Best Practices in Educational Technology	CC-Cascade D
1:30-3:30	BC Supporting Accessibility in Physics Education	CC-Cascade C
1:30-3:30	BD The Graduate Physics Education Experience	MH-Bryce
1:30-3:30	BE Current Materials for Program Self-Study	MH-Birch
1:30-3:30	BF PTRA: Paper Drag Racers in Your Classroom	MH-Amphitheater
1:30-3:30	BH Let's Listen to Women and Intl. Persons' Experiences	MH-Arches
1:30-2:50	BI PER: Diversity, Equity and Inclusion: Gender Differences	MH-Zion
1:30-2:40	BJ PER: Student Understanding about Math. in Physics	CC-Ballroom A
1:30-3:30	BK PICUP: Reports on Computational Physics	MH-Canyon
1:30-2:50	BL Interactive Lecture Demonstrations	CC-Ballroom B
1:30-3	BM Building Lobby Science Exhibits	MH-Juniper
1:30-2:30	BN Hot & Cold Physics Demos	MH-Aspen
1:30-3:30	Simone Kolysz: Chasing Objectivity, Failing at Diversity	MH-Elm
2:30-3:30	Effective Undergrad. Depts: Curriculum, Cohesion, Career	MH-Olympus
3:30-4	Exhibit Hall Break	CC-Exhibit Hall A
3:50	Raffle of Telescope in Exhibit Hall	CC-Exhibit Hall A
4-5	Plenary: Laura Greene, National High Magnetic Field Lab	CC-Ballroom C
4-5	Outreach for Undergraduate Departments and Clubs	CC-Cascade A/B
5-6	K-12 Teachers Lounge - STEP UP event	MH-Timpanogus
5:15-6:45	CA Other Paper	CC-Cascade E
5:15-6:05	CB PER: Interdisciplinary Studies	CC-Cascade D
5:15-6:35	CC Physics Majors: Pre High School to Doctorate	CC-Cascade C
5:15-6:25	CD Technologies	CC-Ballroom C
5:15-6:45	CE PER: Curriculum and Instruction	MH-Cedar
5:15-6:25	CF Introductory Courses: Fascinating Physics	MH-Amphitheater
5:15-6:45	CG Experiments for Introductory Labs	MH-Birch
5:15-6:45	CH Breaking Physics from Ground-breaking Experiments	MH-Arches
5:15-6:25	CI Science and Society: Climate Change	MH-Canyon
5:15-6:15	CJ Star Wars Physics	MH-Zion
5:15-6:45	CK PTRA: Quantum Computing in YOUR Classroom	CC-Ballroom A
5:15-6:45	CL PER: Institutional Change	CC-Ballroom B
5:15-6:15	CM Doing physics and being _____	MH-Juniper
5:15-6:45	CN Local Area Physics Groups	CC-Soldier Creek
5:15-6:25	CO Physicists with Disabilities	MH-Bryce
5:15-6:45	Laura Greene: Leadership Skills for Women Workshop	MH-Elm
6:45-8:30	Einstein! Celebrating 100 Years, <i>ticket required</i>	MH-Aspen
7-8:30	SPS Undergraduate Awards Reception	CC-Cascade A/B
8:30-9:30	SPS Advisor	Marriott Lobby Bar
8:30-10	Poster Session 1	CC-Exhibit Hall C
8:30-10	Disability/Accessibility Meet-up	CC-Timpanogo Terrace
8:30-10	High School Physics Share-a-thon	CC-Ballroom B
9-12	Game Room Night	CC-Ballroom A

8:30-9:30	DG 30 Demos in 60 Minutes	MH-Cedar
8:30-10	DH TPT Favorites	MH-Arches
8:30-10	DI The Art and Science of Teaching	MH-Canyon
8:30-10	DJ Contributing To, and Using, the Living Physics Portal	MH-Aspen
8:30-10	DK Informal Physics Education Research	MH-Zion
8:30-10	DL Solo PER	CC-Ballroom A
8:30-10	DM PER: Student Understanding, Concept Inventories	CC-Ballroom B
8:30-10	DN How Scientific Societies Are Addressing Harassment and Sexual Misconduct Issues	CC-Soldier Creek
9:30-4	K-12 Teachers Lounge	MH-Timpanogus
10-4	Exhibit Hall Open	CC-Exhibit Hall A
10-4	PIRA Resource Room	CC-Exhibit Hall C
10-4	TYC Resource Room	CC-Exhibit Hall C
10-10:30	Break in Exhibit Hall	CC-Exhibit Hall A
10:20	Raffle of Fire HD 8 Tablet in Exhibit Hall	CC-Exhibit Hall A
10:30-12	Awards: Millikan, Tom Greenslade; DSCs	CC-Ballroom C
12-1	CW07 Carolina Biological Supply Company Workshop	CC-Cascade D
12-1	CW09 Introducing Pivot Interactives from Vernier	CC-Silver Creek
12-1:30	CW08 Pearson: College Physics Workshop	CC-Cascade E
12-1:30	First Timers and Early Career Meet-up	Joe Veras restaurant
12-1:30	International Physics Education Committee*	MH-Oak
12-1:30	Laboratories Committee*	CC-Ballroom A
12-1:30	Space Science and Astronomy Committee*	MH-Sycamore
12-1:30	Physics in Undergraduate Education Committee*	MH-Elm
12-1:30	Women in Physics Committee*	CC-Soldier Creek
12-1:30	Physics in Pre-High School Education Committee*	MH-Maple
12-1:30	Interests of Senior Physicists Committee*	MH-Willow
12-1:30	PIRA Committee*	CC-Cascade C
12-1:30	PERTG Town Hall	CC-Ballroom C
1-2	CW10 Vernier Solutions for Physics and Chromebooks	CC-Silver Creek
1:30-3:10	EA Effective Practices in Educational Technology	CC-Cascade E
1:30-3:30	EB Best Practices for Maker Spaces	CC-Cascade D
1:30-3:30	EC NSF-Spon. Phys. & Astro. Projects Crossing Disciplines	MH-Zion
1:30-3:20	ED STEP UP - Take Action to Engage Women in Physics	MH-Bryce
1:30-3:30	EE Sharing Approaches to Meaningful Writing in intro Labs	MH-Birch
1:30-3:10	EF Physics Labs for Life Science Students	MH-Amphitheater
1:30-3:30	EG Teaching and Engaging Students at HSIs	MH-Cedar
1:30-3:30	EH Professional Skills for Graduate Students	MH-Arches
1:30-3	EI Science & Society: Teaching Structural Understanding	MH-Canyon
1:30-3:30	EJ Early Career Topical Discussion	MH-Aspen
2-3	EK Cutting-edge Physics in Developing Countries	CC-Cascade C
1:30-3:30	EL Improving Student Understanding of Quantum Mech.	CC-Ballroom B
2-2:50	EM PhysTEC in 50 States	CC-Ballroom A
1:30-3:30	EN Highlights of the PICUP Collection	CC-Cascade A/B
1:30-3:20	EO Universal Design for Learning	CC-Ballroom C
3:30-4	Break in Exhibit Hall	CC-Exhibit Hall A
3:50	Raffle of Telescope in Exhibit Hall	CC-Exhibit Hall A
4-5	Plenary: Claire Gmachl, Princeton University	CC-Ballroom C
5:15-6:35	FA PER: Assessment, Grading and Feedback	MH-Zion
5:15-6:45	FB PER: Student Underst. about Upper-Division Physics	MH-Canyon
5:15-6:45	FC PER: Attitudes/Beliefs about Students or Teaching	MH-Arches
5:15-6:45	FD PER: Diversity, Equity & Inclusion	MH-Bryce
5:15-6:35	FE Interactive Video, Simulations, Gamification, and VR	MH-Birch
5:15-6:45	FF PTRA: Gravitational Waves	CC-Ballroom B
5:15-6:45	FG Physics for Refugees & Street Children	MH-Amphitheater
5:15-6:45	FI Innovations in Teaching Astronomy	CC-Cascade E
5:15-6:45	FJ Methods vs. Topics: Scaffolding & the 3-Legged Stool	CC-Cascade D
5:15-6:45	FK Quantitative Methods in PER: A Critical Examination	CC-Ballroom A
5:15-6:45	FL PER: Diverse Investigations	MH-Aspen
5:15-6:45	FN Labs Beyond the First Year (BFYII): 1 Year Later	CC-Soldier Creek
5:15-6:35	FO Teacher Training/Enhancement	MH-Cedar
7-8:30	Summer Meeting Picnic, <i>ticket required</i>	Offsite-BYU
8:30-9:30	Demo Show	Offsite-BYU

Wednesday, July 24, 2019

7-11	Quiet Room	CC-Business Center
7-11	Lactation Room	CC-First Aid Room
8-3	REGISTRATION	CC-East 1st Fl.
7-8	Venture Fund Review Committee/Bauder Endowment	MH-Maple
7-8:30	PERLOC (closed)	MH-Aspen
7-8:30	Programs and Planning Committee II	CC-Cascade A/B
8:30-9:30	Awards: Klopsteg Memorial Lecture, Jodi Ann Cooley	CC-Ballroom C
9:30-10:30	Membership and Benefits Committee	MH-Maple
9:30-11	Poster Session 2	CC-Exhibit Hall C
11-11:45	President Town Hall	CC-Ballroom C
12-1	Past Officers Luncheon	MH-Maple
12-1:10	GA PER: Student Understanding and Interactions	CC-Cascade E
12-1:30	GB PER: Curriculum and Instruction II	CC-Cascade D
12-1	GC PER: Underrepresented Populations in Phys. Courses	CC-Cascade C
12-1	GD Introductory Courses: Analyzing Outcomes	MH-Bryce
12-1:10	GE K-12 PER II	MH-Amphitheater
12-1:20	GF Pedagogical Reform for Introductory Labs	MH-Amphitheater
12-1:30	GG Ethics in the Practice and Application of Science	MH-Cedar
12-1:20	GH Machine Learning in Physics and Physics Curriculum	MH-Arches
12-1:10	GJ PER: Student Understanding and Problem-Solving	MH-Aspen
12-1:20	GK PER: Diverse Investigations II	MH-Zion
12-1:30	GL PER: Student Understanding and Cognition	CC-Ballroom B
12-1:30	GM Evidence-based Approaches to Comm. Partnerships	CC-Cascade A/B
12-1:10	GN Upper Division/Graduate Courses	CC-Soldier Creek
1-1:30	2020 Orlando Papersort Orientation	CC-Battle Creek
1:30-3	APS Plenary: Jack Burns, Pearl Sandick	CC-Ballroom C
3-4:30	Nominating Committee II	MH-Maple
3-4:30	PERC Bridging Session	CC-Ballroom C
3-5:30	AAPT Board of Directors Meeting II	MH-Aspen
3:30-5	HA Post-Deadline Abstracts I	CC-Cascade E
3:30-5	HB Post-Deadline Abstracts III	CC-Cascade C
3:30-5	HC Post-Deadline Poster Session	CC-Exhibit Hall C
5-6	PERC Posters I	CC-Exhibit Hall C
8-10	PERC Posters II	CC-Exhibit Hall C

* Committee meetings - all attendees welcome

WiFi code at Marriott

Network: Marriott_Conference; Password: AAPT2019

Monday, July 22, 2019

7-5	REGISTRATION	CC-East 1st Fl.
7-11	Quiet Room	CC-Business Center
7-11	Lactation Room	CC-First Aid Room
7-8:30	Science Education for the Public Committee*	CC-Battle Creek
7-8:30	Teacher Preparation Committee*	MH-Willow
7-8:30	Diversity in Physics Committee*	CC-Soldier Creek
7-8:30	PTRA Oversight Committee	CC-Silver Creek
7-8:30	Graduate Education in Physics Committee*	MH-Maple
7-8:30	Educational Technologies Committee*	MH-Sycamore
7-8:30	Contemporary Physics Committee*	MH-Olympus
7-8:30	First Timers' Gathering, <i>registration required</i>	CC-Cascade A/B

Public WiFi at Convention Center

UVCC_PUBLIC_WIFI; no password

Tuesday, July 23, 2019

6-8	AAPT Fun Run/Walk, <i>registration required</i>	Offsite
7-4	REGISTRATION	CC-East 1st Fl.
7-11	Quiet Room	CC-Business Center
7-11	Lactation Room	CC-First Aid Room
7-8:30	Awards Committee (closed)	MH-Willow
7-8:30	Physics Bowl Advisory Committee	MH-Maple
8 am-10 pm	H.S. Physics Photo Contest Voting, Viewing	CC-North 3rd Fl
8:30-9:40	DA Building Professional Networks	CC-Cascade E
8:30-9:50	DB PER: Student Understanding and Innovative Tools	CC-Cascade D
8:30-10	DC Upper Division/Graduate Labs	CC-Cascade C
8:30-10	DE The Discovery of Gravitational Waves: Four Years Later	MH-Bryce
8:30-9:50	DF PER: Assessment, Grading and Feedback II	MH-Birch
8:30-10	Introductory Courses: Approaches to Instruct.	MH-Amphitheater