Tuesday, July 25, 2017

6–8 AAPT Fun Run/Walk (ticket needed) Offsite
7 am–10 pm Quiet Room CC - Vestibule
7 am–4 pm REGISTRATION CC - 1st Floor Lobby CC - Ballroom B
7–8 Two-Year College Breakfast (ticket needed) CC - Ballroom D
7–8 PTRA Oversight Committee Marr. Madison I
7:30–8:30 Review Board CC - Breakout 1
7:30–8:30 Physics Bowl Advisory Committee CC - Breakout 2
7:30–8:30 Executive Programs Committee CC - Breakout 3
8–10:30 HS Teacher Lounge: Geo-Electric Field Science Marr. Kentucky
8 am–5 pm HS Physics Photo Contest Voting and Viewing CC - Madison Lobby
8:30–10 DA Research on the Impacts of Learning Assistant CC - Breakout 4
8:30–10 DB Going Public: How to Get Published CC - Breakout 5
8:30–10 DC The Art and Science of Teaching Marr. Cov. Ballroom II
8:30–10 DD Developing Successful Mentoring Relationships CC - Breakout 6
8:30–9:40 DE Technologies Marr. Cov. Ballroom III
8:30–9:10 DF Science and Religion CC - Breakout 7
8:30–9:50 DG Introductory Courses CC - Breakout 8
8:30–9:30 DH Upper Division/Graduate Courses CC - Breakout 9
8:30–9:40 DI Introductory Labs/Apparatus Marr. Cov. Ballroom I
8:30–10 DK Interactive Lecture Demonstrations: What's New? CC - Breakout 10
8:30–8:40 DL PER: Modeling Student Engagement CC - Ballroom D
10–4 Exhibit Hall Open (Break 10; 10:20 Raffle Amex) CC - Event Center I
10–4 PIRA Resource Room/Apparatus Competition CC - Event Center I
10–4 TYC Resource Room Open CC - Event Center I
10 Meet the new AJP editor, AAPT Booth CC - Event Center I
10:30–12 Awards: Robert A. Millikan Medal: Ken Heller; AAPT Fellowships CC - Event Center II
12–1 CW09 Learning from Cengage with WebAssign CC - Breakout 2
12–1 CW06 Perimeter Institute Institute Workshop CC - Breakout 1
12–12.50 CW07 Introducing Pivot Interactives from Vernier CC - Breakout 3
12–12.50 Physics in Undergraduate Education Committee CC - Breakout 4
12–12 Teacher Preparation Committee CC - Breakout 5
12–12 PIRA Committee CC - Breakout 6
12–12 Physics in Pre-High School Education Committee CC - Breakout 7
1–1.50 CW13 Vernier Solutions for Physics and Chromebooks CC - Breakout 3
1:30–3:30 EA Aspiring to Lead: Engaging K-12 Teachers CC - Breakout 4
1:30–3:30 EB PER Reducing DFW Rates, Improving Retention CC - Breakout 5
1:30–3:30 EC Innovative Models of Physics Teacher Preparation CC - Breakout 6
1:30–3:30 ED Supporting Equity in Group Work, Collaboration CC - Breakout 7
1:30–3:30 EE Improving Student Learning With Popular Media CC - Breakout 8
1:30–3:30 EF The use of IOLab for Intro. Laboratory Reform CC - Ballroom D
1:30–3:30 EG Highlights of TYC New Faculty Experience Marr. Cov. Ballroom I
1:30–3:30 EH Uses of Computation in Undergrad. Physics CC - Breakout 9
1:30–2:30 EI High School CC - Breakout 10
1:30–2:30 EJ Labs/Apparatus Marr. Cov. Ballroom II
1:30–3:30 EM PER: Diverse Investigations CC - Ballroom C
3:30–4 Exhibit Hall Afternoon Break (3:30, Kindle Raffle) CC - Event Center I
4–6:30 Awards: Klopfsteg Memorial Lecture Award: John C. Brown; ALPHA Awards CC - Event Center II
5–6 HS Teacher Lounge: Enhancing Perception of K-12 Teaching Marr. Kentucky
5–6 MS Poster Session II CC - Event Center I
6–8 HS Teacher Lounge: Aspiring to Lead Marr. Kentucky
6:30–8 Night on the Ohio River on the River Queen Riverboat (ticket needed) Offsite
8–9 Demo Show CC - Event Center II
9:30–12 Pub Crawl (ticket needed) Offsite

Wednesday, July 26, 2017

7 am–3 pm Quiet Room CC - Vestibule
7–8 Venture/Bauer Committee Marr. - Riverview II
7–8 Governance Structure Committee Marr. - Riverview I
7–8 Programs Committee CC - Ballroom E
8 am–3 pm High School Photo Contest Winners CC - Madison Lobby
8–9 Finance Committee Marr. Riverview II
8 am–3 pm REGISTRATION CC - 1st Floor Lobby
8–10:30 High School Teacher Lounge: Digi Kits Marr. Kentucky
8:30–10 FA Race and Gender Performance Gaps ... CC - Ballroom I
8:30–10 FB Labs with Low-Cost Embedded Computers CC - Breakout 4
8:30–10 FC History and Philosophy in Physics Courses CC - Breakout 5
8:30–10 FD Multiple Career Paths in PER Marr. Cov. Ballroom II
8:30–10 FF Multi-Messenger Astronomy in the Age of GR CC - Breakout 6
8:30–10 FG PIRA Session - 3D Printing in Labs and Demos CC - Ballroom D
8:30–9:20 FH PER: Content Understanding and Reasoning III CC - Breakout 7
8:30–9:50 FI Teacher Training/Enhancement CC - Breakout 8
8:30–10:30 PJ Physics Education Research CC - Ballroom C
8:30–10:30 PK PER: Diverse Investigations CC - Breakout 10
8:30–9:30 FL PhysZ1 CC - Breakout 9
8:30–10:30 FM Research on Physics Teacher Preparation CC - Breakout 3
9:30–10:30 TOP UP for Women Marr. Kentucky
10:30–12 Plenary: Francis Staley: DSC Awards CC - Event Center II
12–1 Membership and Benefits Forum Marr. Riverview I
12–1:30 Retired Physicists Luncheon (ticket needed) Marr. 10 West Rest.
12–1:30 TOP05 PERTG Town Hall CC - Event Center II
1–3 GA Creating Inclusive Diverse Classrooms CC - Breakout 4
1–3 GB Make, Play, Learn Marr. Cov. Ballroom I
1–3 GC Panel on Public Affairs - Teacher Recruitment Marr. Cov. Ball II
1–3 GD Professional Skills for Graduate Students Marr. Cov. Ballroom III
1–3 GF Current Space/Astronomy/Physics News CC - Breakout 5
1–3 GG Learning Outcomes, Assessment in IPLS Course CC - Breakout 6
1–3 GH Upper Division Undergraduate CC - Breakout 7
1–2:50 GI Effective Practices in Educational Technology CC - Breakout 8
1:30–3:30 PERC Bridging Session CC - Event Center II
2–3 TOP01 Avenues for Publishing in Astronomy Education CC - Breakout 9
3:30–5 Nominating Committee II Marr. Riverview II
3:30–4:40 HA Post-deadline Abstracts CC - Breakout 1
3:30–5 HB Post-deadline Abstracts II CC - Breakout 4
3:30–5 HC Post-deadline Abstracts III CC - Breakout 5
3:30–5 HD Post-deadline Posters CC - Madison Lobby
3:30–6 Board of Directors III Marr. Riverview I
4–5 PERC First Timers Poster Session CC - Event Center I
8–10 PERC Poster Reception (ticket needed) CC - Event Center I

Download the meeting app by going to https://crowd.cc/s/Rfdy, or search the “Apple” or “Google Play” stores for AAPT, American Association of Physics Teachers, SM17, 2017 AAPT Summer Meeting.

Bus schedule Saturday and Sunday for workshops

Meeting at a Glance
Saturday, July 22, 2017

7-4 REGISTRATION CC - 1st Floor Lobby
(WORKSHOPS ARE AT UNIVERSITY OF CINCINNATI)
7–10 W02 Making High Speed Videos 340 & 342 Braun.
7–12 W03 Mathematical Modeling with Desmos 312 Braun.
7–12 W04 Mobile Physics and iPhysics Classroom 325 Braun.
7–12 W05 Make and Take Low Cost Spectrograph for Physics Labs 300 G-Phys.
7–12 W06 Modern Physics Labs on a Budget Using LEDs and Mixed Signal Processors 303 G-Phys.
8–12 W07 “Can We Have a Group Test?” Designing Collaborative, Active, Alternative Assessment for Physics Classes 348 Braun.
8–12 W12 Introductory Labs for Electricity and Magnetism 346 Braun.
9–12 W14 The Perplexed Physicists’ Primer on Teaching Astronomy 201 Braun.
10–12 W17 Low-Cost Open-Source Laboratory Instruments 312 Braun.
10–12 W18 Physics of Toys 300 Braun.
11–12 W19 Computational Modeling with GlowScript and VPython 300 G-Phys.
12–15 W23 An Introduction to Race, Ethnicity, Equity in Physics Ed. 324 Braun.
12–15 W24 Student Activities from the IceCube Neutrino Experiment 303 G-Phys.
12–17 W01 Cincinnati Reds Stadium Tour (ticket needed) Offsite
6–7:30 Nominating Committee I Marr. Kentucky
1–5 W15 Board of Directors Marr. Revierve I
7–8 Effects of the Sun: Solar Planetarium Show (ticket) Heile Planetarium

REGISTRATION CC - 1st Floor Lobby
7 am–10 pm Quiet Room CC - Vestibule
7 am–7 pm REGISTRATION CC - 1st Floor Lobby
7–8:30 Appliance Committee CC - Breakout 1
7–8:30 Graduate Education in Physics Committee CC - Breakout 2
7–8:30 International Physics Education Committee CC - Breakout 6
7–8:30 Professional Concerns Committee CC - Breakout 9
7–8:30 Space Science & Astronomy Committee CC - Breakout 8
7–8:30 Women in Physics Committee CC - Breakout 3
7–8:30 PERLOC CC - Breakout 7
7–8:30 First Timers Gathering (ticket needed) CC - Ballroom E
8–9:30 HS Teacher Lounge: Acoustical Science from the ASA Marr. Kentucky
8 am–10 pm HS Physics Photo Contest Voting and Viewing CC - Madison Lobby
8:30–10:00 AA Cultural Perspectives on Educational Technology Marr. Cov. Ball
8:30–10:00 AB Neutron Physics Investigations for Students Marr. Cov. Ball II
8:30–10:00 AC Defining Units: Old and New Marr. Cov. Ball II
8:30–10:00 AD Optics Labs at All Levels: Rainbows to Raman Marr. Cov. Ball II
8:30–10:00 AE Frontiers in Astronomy CC - Breakout 4
8:30–10:00 AF Science and Society CC - Breakout 6
8:30–10:00 AG Physics Majors: High School to Doctorate CC - Breakout 7
8:30–10:00 AH Innovations in Upper Division Physics Classes Marr. Cov. Ball III
8:30–10:00 AI Engineering Education CC - Breakout 8
8:30–10:00 AK PER: Exploring Problem Solving Approaches and Skills CC - Ball D
8:30–9:30 AL Topics in Diversity II CC - Breakout 10
9–10 Spouse and Guest Gathering Marr. Revierve I
9:30–10:30 HS Teacher Lounge: Physics Teaching and Social Justice Marr. Kentucky
10–5 PIRA Resource Room/Apparatus Competition CC - Event Center II
10–5 TYC Resource Room CC - Event Center I
10–11:30 Awards: Paul W. Zitewitz Award for Excellence in K-12 Physics Teaching to Mark Schobor and David Halliday and Robert Resnick Award for Excellence in Undergraduate Physics Teaching to Cindy Schwarz CC - Event Center II
10–11:30 High School Teachers Luncheon (ticket needed) CC - Ballroom E
11:30–1:30 Solar Fest Marr. The Landing
12–1 CW01 Foster Learning, LLC Workshop CC - Breakout 1
12–1 CW02 PASCO: Educational Physics Workshop CC - Breakout 2
12–1 CW08 Expert TA Workshop CC - Breakout 3
12–1 CP04 AP Career Pathways Project CC - Breakout 9
12–1 CP08 Awards Committee Marr. Terrace IV
12–1 Meet-up for Members & Supporters of LGBTQ (ticket) Marr. Revierve I
12–1 Early Career Professionals Spend Networking (ticket) Marr. Madison
13–0 HS Teacher Lounge: Color Science Marr. Kentucky
13–0 CW03 PASCO Smart Cart Workshop CC - Breakout 2
13–0 CW11 Perimeter Institute - Everybody Einstein CC - Breakout 1
13:00–3:30 BA Modeling Instruction at All Levels CC - Breakout 6
13:00–3:30 BB Effective Practices for Integrating Computation in Undergraduate Physics CC - Breakout 5
13:00–3:30 BC Coping Mechanisms for Physics Students from Underrepresented Groups CC - Breakout 4
13:00–3:30 BD Panel on First Year Teacher Concerns CC - Breakout 8
13:00–3:30 BE Climate Change CC - Breakout 7
13:00–3:30 BF Preparing for the August 21st Solar Eclipse CC - Breakout 9
13:00–3:30 BG The Physics of the NSF IUSE Program CC - Breakout 8
13:00–3:30 BH Impact and Reflections on TYC Physics Workshop CC - Breakout 9
13:00–3:30 BJ PER: Evaluating Instructional Strategies CC - Ballroom C
13:00–3:30 BL K-12 PER Marr. Cov. Ball III
13:00–3:30 BK Topics in Diversity I CC - Breakout 9
3–4 CW04 PASCO: Untangling Electric Circuits CC - Breakout 2
3–4 CW10 Perimeter Institute Workshop CC - Breakout 1
3–4 AAPT Official Tweet-up Marr. Revierve I
3:30–4:30 Exhibit Hall Break (3:50 Raffle Amazon Dot) CC - Event Center I
3:30 Meet the new AJP editor, AAPT Booth CC - Event Center I
4–6 CA Electricity, Energy, and Particles: Squishy Circuits, Sponge Bottles, and the Particle Zoo CC - Breakout 1
4–6 CB 30 Demos in 60 Minutes Marr. Cov. Ball III
4–6 CC Introductory Labs/Apparatus CC - Breakout 4
4–6 CD Lab Recommendations Focus Area 5 CC - Breakout 5
4–6 CE Developing and Using Next-Generation Simulations CC - Breakout 6
4–5:30 CF Jupyter: VPython/GlowScript CC - Breakout 7
4–5:20 CH Inclusion and Equity CC - Breakout 9
4–6 CJ Introductory Courses CC - Ballroom C
4–6 CK PER: Evaluating Instructional Strategies CC - Ballroom D
4–6 CL Being Disabled in Physics CC - Breakout 8
6–7:30 Laboratories Committee CC - Breakout 1
6–7:30 History and Philosophy of Physics Committee CC - Breakout 2
6–7:30 Research in Physics Education Committee CC - Breakout 6
6–7:30 Physics in Two-Year Colleges Committee CC - Breakout 3
6–7:30 Physics in High Schools Committee CC - Breakout 9
6–7:30 SPS Undergraduate Awards Reception CC - Ballroom E
6–7:30 Early Career and First Timers Social CC - Breakout 4
6–7:30 TOP02 Solo PER Discussion CC - Breakout 8
6–7:30 TOP03 Graduate Student Topical Discussion CC - Breakout 7
6–7:30 TOP07 Improving Instruction Through Action Research CC - Ballroom B
7:30–8:30 Plenary: Julianne M. Pollard-Larkin CC - Event Center II
8:30–10 Poster Session 1 CC - Event Center I
8:30–10 High School Share-a-Thon CC - Ballroom D
9–12 Game Night Marr. Revierve Ballroom

Sunday, July 23, 2017

7–4 REGISTRATION CC - 1st Floor Lobby
7 am–10 pm Quiet Room CC - Vestibule
8 am–10 pm HS Photo Contest Viewing and Voting CC - Madison Lobby
8–10 Publications Committee Marr. Revierve I
8–10–15 Meetings Committee Marr. Revierve II
8–11 T01 Designing and Running Your Own Physics Camp Marr. Cov. Ballroom I
8–12 T02 High Altitude Ballooning CC - Ballroom C
8–12 T03 What Every Physics Teacher Should Know About Cognitive Research 316 Braun.
8–12 T04 Interdisciplinary Instruction in Biological Physics 303 & 304 G-Phys.
8–12 T04 Fun, Engaging, Labs and Demos in Electricity, Magnetism and Optics with Clickers, Video Analysis, and Computer-based Tools 350 Braun.
8–12 T05 Explore Assessment Data with PhysPort Data Explorer 300 G-Phys.
10:30–4 Board of Directors II Marr. Revierve
11–12 T08 Intermediate and Advanced Laboratories 339 Braun.
11–12 T09 Making Videos as Projects 324 Braun.
12–1 T04 Using Jupiter Notebook to Teach Phys. with Computa. 300 G-Phys.

1–5 W43 Developing the Next Generation of Physics Assessments 201 Braun.
1–5 W45 Demo Kit in a Box: Electrostatics 312 Braun.
1–5 W46 Strategies to Help all Women Succeed in Physics-Related Professions 316 Braun.
5:30–6:30 PIRA Program Committee I Marr. Cov. Ball I
5:30–8 Session Officers and Section Representatives Marr. Revierve
6:30–8 Educational Technologies Committee Marr. Cov. Ball II
6:30–8 Science Education for the Public Committee Marr. Cov. Ball III
6:30–8 Diversity in Physics Committee Marr. Revierve II
6:30–8 Modern Physics Committee Marr. Madison
6:30–8 Alpha Committee Marr. Terrace III
6:30–8 Interests of Senior Physicists Committee Marr. Terrace IV
8–9:30 REGISTRATION CC - 1st Floor Lobby
8–10 Exhibit Hall Open / Welcome Reception CC - Event Center I
8–10 PIRA Resource Room/Apparatus Competition CC - Event Center I
8–10 TYC Resource Room CC - Event Center I
8–10 SPS Undergraduate Research Poster Session CC - Event Center I
10:15–11:30 Evening Cincinnati Observatory Tour (ticket needed) Offsite