



edmonton'08
AAPT | PHYSICS FROM THE GROUND UP

Meeting-at-a-Glance
for the 2008 AAPT
National Meeting



Meeting-at-a-Glance

Meeting-at-a-Glance includes sessions, workshops, committee meetings and other events, including snack breaks, plenary sessions, and receptions. All rooms will be at the University of Alberta.

KEY: ETLC – Engineering Teaching and Learning Complex
 NRE – Natural Resources Engineering Facility
 Ed – Education Centre
 SUB – Students’ Union Building
 CEB – Civil Engineering Building
 Lister – Lister Centre
 C-W – Chemistry West
 CAB – Central Academic Building
 ME – Mechanical Engineering Building

Saturday, July 13 – Friday, July 18, 2008

PTRA

Friday, July 18, 2008

7:00 a.m. – 6:00 p.m.	PhysTEC, Alberta	Lister, Alberta
8:00 a.m. – 6:00 p.m.	Set-up AAPT Staff Office and Registration	
6:00 p.m. – 8:00 p.m.	Pre-Registration Pick-up, ETLC Solarium	ETLC Solarium

Saturday, July 19, 2008

7 a.m.–4:30 p.m.		REGISTRATION	ETLC, Solarium
7 a.m.–6 p.m.		PhysTEC	Lister, Alberta
8 a.m.–12 p.m.	W01	TELS–An Online Inquiry-Based Environment	CEB 128
8 a.m.–12 p.m.	W02	Falsification Labs	CEB 127
8 a.m.–5 p.m.	W04	InterActions in Physical Science	Ed S 366
8 a.m.–5 p.m.	W05	Lecture Demonstrations I	CEB 325
8 a.m.–12 p.m.	W06	Photon Quantum Mechanical Labs	CEB 123
8 a.m.–5 p.m.	W07	Exploring Atoms & Molecules Using Molecular Workbench	CEB 324
8 a.m.–5 p.m.	W08	Historical Experiments in the Classroom	Ed S 367
8 a.m.–5 p.m.	W09	Piaget Beyond Piaget: At the Heart of Inquiry	Ed S 358
8 a.m.–5 p.m.	W10	The Classroom of the Future	CEB 114
9 a.m.–5 p.m.	W11	Learning Physics While Practicing Science	CEB 442
10 a.m.–12 p.m.	T01	Mining the Hidden Web	CEB 536
1–5 p.m.	W12	Introductory Instructional Labs	CEB 225
1–5 p.m.	W13	Inquiry-Based Learning for High School Teachers	CEB 126
1–5 p.m.	W14	Newtonian TIPERS	CEB 123
1–5 p.m.	W15	Negotiating a Successful Science Career	CEB 231

Sunday, July 20, 2008

7 a.m.–4 p.m.		REGISTRATION	ETLC, Solarium
8–11 a.m.		Publications Committee	Lister, Glacier
8–11 a.m.		Meetings Committee	Lister, Prairie
8 a.m.–12 p.m.	W16	Effectively Addressing Diversity in Science Courses	CEB 123
8 a.m.–12 p.m.	W17	EJS and Tipers	CEB 114
8 a.m.–12 p.m.	W18	Preparing Pre-College Teachers to Teach Physics by Inquiry	CEB 442
8 a.m.–5 p.m.	W19	Lecture Demonstrations II	CEB 325

8 a.m.–5 p.m.	W20	Using RTOP to Improve Physics and Physical Science Teaching	Ed S 366
8 a.m.–5 p.m.	W22	Low-Cost High School Physics Labs	CEB 129
8 a.m.–5 p.m.	W23	Research-Based Alternatives to Problem Solving	Ed S 358
8 a.m.–5 p.m.	W24	Using Research-Based Curricula and Tools	CEB 126
8 a.m.–5 p.m.	W25	Physics and Performance	CEB 336
8 a.m.–5 p.m.	W26	Teaching Astronomy with Technology	C-W-150
9 a.m.–5 p.m.		Photo Contest Setup	NRE Lower Foyer
9 a.m.–5 p.m.		PIRA Resource Room and Apparatus Competition Setup	ETLC, Solarium
9 a.m.–5 p.m.		TYC Resource Room Setup	ETLC, Solarium
11 a.m.–4:30 p.m.		Executive Board	Alumni House, Aon Rm.
12:30–1:15 p.m.		Tour of National Institute for Nanotechnology	See Campus Map
1:30–2:15 p.m.		Tour of National Institute for Nanotechnology	See Campus Map
2:30–3:15 p.m.		Tour of National Institute for Nanotechnology	See Campus Map
3:30–5 p.m.		Tour Alberta's first Net Zero Energy home	
1–5 p.m.	W27	Open Source Physics–Statistical and Thermal Physics	CEB 114
1–5 p.m.	W28	Exploring Easy and Effective Ways to Use PhET	CAB 335
1–5 p.m.	W29	Advanced and Intermediate Instructional Labs	CEB 225
1–5 p.m.	W30	Physics Front: Capabilities and Possibilities	CAB 341
1–5 p.m.	W31	New Physics at the LHC and in Your Classroom	CAB 331
1–5 p.m.	W32	Physics and Toys II	CAB 281
1–5 p.m.	W33	Energy in the 21st Century	CEB 128
1–5 p.m.	W34	Using Visualization in Teaching Introductory E&M	CEB 324
1–5 p.m.	W35	Tutorials in Introductory Physics	CEB 442
1–5 p.m.	W36	Designing a Diagnostic Learning Environment	CEB 127
1–5 p.m.	W37	What Every Physics Teacher Should Know	CEB 123
1–5 p.m.	W38	Developing Physics Teacher Knowledge	Ed S 367
4–6 p.m.		Nominating Committee I	Lister, Glacier
4–6 p.m.		Programs Committee I	Lister, Prairie
4–9 p.m.		Speaker Ready Room	NRE 2-127
5–6 p.m.		Section Officers' Exchange	Lister, Maple Leaf
5:30–7:30 p.m.		SPS/AAPT Poster Reception	Lister, Aurora
6–8 p.m.		High School Share-a-thon	Lister, Wild Rose
6:30–8 p.m.		Section Representatives	Lister, Maple Leaf
6:30–8 p.m.		Teacher Preparation Committee	Lister, Glacier
6:30–8 p.m.		Apparatus Committee	Lister, Alberta
6:30–8 p.m.		Graduate Education Committee	Lister, Prairie
7–9 p.m.		REGISTRATION	ETLC, Solarium
8–10 p.m.		Exhibit Show Opens	SUB, Dinwoodie
8–10 p.m.		WELCOME RECEPTION	
8:45–9 p.m.		Prize Drawing	SUB, Dinwoodie

Monday, July 21, 2008

7–8 a.m.		Retirees Breakfast (ticket)	Alumni House, Aon
Room 7–8 a.m.		TYC Breakfast (ticket)	Jubilee Aud., Meeting Rm.
7–8:30 a.m.		First Timers Gathering	Jubilee Aud., Banquet Rm.
7:30–8:30 a.m.		International Breakfast	Lister, Alberta
7:30–9 a.m.		Pre-High School Committee	CEB 123
7:30–9 a.m.		Educational Technologies Committee	CEB 442
7:30 a.m.–5 p.m.		REGISTRATION	ETLC, Solarium
7:30 a.m.–10 p.m.		Photo Contest Viewing & Voting & Video Contest	NRE Lower Foyer
8 a.m.–12:30 p.m.		Exhibit Show Open	SUB, Dinwoodie
8–9 a.m.	AJ	Favorite Activities/Lessons in the TYC Physics Classroom	ETLC, Solarium
8–9 a.m.		Exhibit Show – Refreshments	SUB, Dinwoodie

8-9 a.m.	PST1	Poster Session I	ETLC, Solarium
9-11 a.m.	AA	Clickers in the Classroom	ETLC E1-013
9-11 a.m.	AB	Session Honoring Alan Van Heuvelen	ETLC E1-001
9-11 a.m.	AC	State of Physics Teaching in the U.S.	ETLC E1-017
9-11 a.m.	AD	Tutorials in Intermediate Mechanics	ETLC E2-001
9-11 a.m.	AE	Research-Based Physics Curricula	NRE 1-001
9-11 a.m.	AF	Hot Topics in Geophysics	NRE 1-003
9-11 a.m.	AH	PER Around the World	NRE 2-003
9-11 a.m.	AI	Physics Demonstrations with a Biological Flavor	ME 2-3
9-11 a.m.	AK	Undergraduate Student Research	NRE 2-001
9 a.m.-4 p.m.		PIRA Resource Room/ Apparatus Competition Viewing	ETLC, Solarium
9 a.m.-4 p.m.		TYC Resource Room	ETLC, Solarium
9:30-11 a.m.		Membership and Benefits Committee	CEB 103
10-10:30 a.m.		Spouses' Gathering	Alumni House, Aon Room
10-11:30 a.m.	CW04	Vernier Software: New Data Collection Tools for Physics	CAB 373
10-11:30 a.m.	CW09	Design Simulation Tech: Hands-on, Minds-on Interactive Phys.	CAB 377
11:15 a.m.-12:15 p.m.		PLENARY: Damian Pope	SUB, Horowitz
12:15-1:45 p.m.	BA	Crackerbarrel: Prof. Concerns of High School Teachers	ETLC E1-017
12:15-1:45 p.m.	BB	Crackerbarrel: Prof. Concerns of Instruct. Resource Specialists	ETLC E2-001
12:15-1:45 p.m.	BC	Crackerbarrel: Web Resources for Teaching Astronomy	NRE 2-001
12:15-1:45 p.m.	BD	Crackerbarrel: Physics and Society Education	NRE 2-003
12:15-1:45 p.m.		Bauder Fund	CEB 123
12:15-1:45 p.m.		Nominating Committee	CEB 103
12:15-1:45 p.m.		Interest of Senior Physicists Committee	CEB 442
12:15-1:45 p.m.		TYC Committee	NRE 1-001
12:30-2 p.m.	CW05	Kinetic Books: Experience Digital Curriculum	CAB 377
12:30-2 p.m.	CW08	Cenco Physics: Strangeness and Charm in Your Classroom	CAB 373
1:45-3:45 p.m.	CA	The Art of Physics Demonstration	ETLC E1-013
1:45-3:45 p.m.	CB	Resources in Physics Education	ETLC E1-001
1:45-3:45 p.m.	CC	Reports by CASTLE Teachers	ETLC E1-017
1:45-3:45 p.m.	CD	Physics of Our Hobbies	ETLC E2-001
1:45-3:45 p.m.	CE	Master Teachers Preparing Teachers of Physics	NRE 1-001
1:45-3:45 p.m.	CF	Gordon Research Conf.: Computation in Physics Curriculum	NRE 1-003
1:45-3:45 p.m.	CG	Innovations in Teaching Astronomy	NRE 2-001
1:45-3:45 p.m.	CH	Teaching Physics Around the World	NRE 2-003
1:45-3:45 p.m.	CI	Energy and the Environment	ME 2-3
1:45-6 p.m.		Exhibit Show Open	SUB, Dinwoodie
2:30-4 p.m.	CW10	Pearson: Using Online Homework to Increase Student Learning	CAB 373
4-5 p.m.		KLOPSTEG AWARD: Michio Kaku	SUB, Horowitz
5-6 p.m.		Exhibit Show with refreshments	SUB, Dinwoodie
5:15-6:45 p.m.		PERTG	CEB 442
5:15-6:45 p.m.		High School Committee	ETLC E1-017
5:15-6:45 p.m.		PIRA Business Meeting	ETLC E2-001
5:15-6:45 p.m.		International Education Committee	NRE 1-001
5:15-6:45 p.m.		Minorities in Physics Committee	CEB 123
5:15-6:45 p.m.	PST2	Poster Session II - Post Deadline Posters	ETLC, Solarium
5:30-7 p.m.		Young Physicists' Meet and Greet	Faculty Club
7-9 p.m.	DA	PER: Issues in Instructional Reform	ETLC E1-013
7-9 p.m.	DB	Getting Started in Physics Education Research	ETLC E1-001
7-9 p.m.	DC	Assessment in High School Physics	ETLC E1-017
7-9 p.m.	DD	Hollywood and Science Literacy	NRE 1-001
7-9 p.m.	DE	The Future of Upper Division Lab Experience	NRE 1-003
7-9 p.m.	DF	Teacher Preparation	NRE 2-001
7-9 p.m.	DG	Alternative Energy	NRE 2-003
7-9 p.m.	DH	High Energy Physics Projects	ME 2-3

Tuesday, July 22, 2008

7–9 a.m.		Governance Committee	CEB 103
7:30 a.m.–5 p.m.		REGISTRATION	ETLC, Solarium
7:30–9 a.m.		Science Education for the Public Committee	CEB 123
7:30 a.m.–10 p.m.		Photo Contest Viewing & Voting & Video Contest	NRE Lower Foyer
8–9 a.m.	PST3	Poster Session III	ETLC, Solarium
8–9 a.m.		Exhibit Show & refreshments	SUB, Dinwoodie
8–9:30 a.m.	CW06	Cenco Physics: Bringing the Universe into Your Classroom	CAB 373
8–11:30 a.m.		Exhibit Show Open	SUB, Dinwoodie
9–11 a.m.	EA	PER: Assessing Student Understanding	ETLC E1-013
9–11 a.m.	EB	The Art and Science of Teaching	ETLC E1-001
9–11 a.m.	EC	AP Physics B Redesign Update	ETLC E1-017
9–11 a.m.	ED	Tutorial: Interactive Lecture Demonstrations	ETLC E2-001
9–11 a.m.	EE	NSF-Supported Projects in Preparation of Physical Sci. Teachers	NRE 1-001
9–11 a.m.	EF	Canadian Women in Science	NRE 1-003
9–11 a.m.	EG	Best Practices for Teaching with Technology	NRE 2-001
9–11 a.m.	EH	Graduate Education in Physics: “Which Way Forward?”	NRE 2-003
9–11 a.m.	EI	Teaching and Learning Upper Level Electricity and Magnetism	ME 2-3
9 a.m.–4 p.m.		PIRA Resource Room/ Apparatus Competition Viewing	ETLC, Solarium
9 a.m.–4 p.m.		TYC Resource Room	ETLC, Solarium
9:30–10:30 a.m.		Investment Advisory Committee	CEB 103
10–11:30 a.m.	CW07	Cenco Physics: Sick of the Same Old Labs?	CAB 373
10–11:30 a.m.	CW11	Kinetic Books: Experience Digital Curriculum	CAB 377
11:15 a.m.–12:15 p.m.		PLENARY: Robert Wolkow	SUB, Horowitz
11:30 a.m.–12:30 p.m.		Exhibitors’ Lunch	Faculty Club, Saskatchewan
12:15–1:45 p.m.	FA	Crackerbarrel: Professional Concerns of PER Solo Faculty	ETLC E1-013
12:15–1:45 p.m.	FB	Crackerbarrel: Underrepresented Minorities in Physics	NRE 1-001
12:15–1:45 p.m.	FC	Crackerbarrel: There Ought to be... (Technologies I Wish I Had)	NRE 2-001
12:15–1:45 p.m.		History and Philosophy Committee	CEB 123
12:15–1:45 p.m.		RQEHSP	ETLC E1-017
12:15–1:45 p.m.		Awards Committee	ETLC E2-001
12:15–1:45 p.m.		Nominating Committee II	CEB 103
12:15–1:45 p.m.		SI Units and Metric Education Committee	NRE 2-003
12:15–1:45 p.m.		Committee on Physics and Undergraduate Education	NRE 1-003
12:15–1:45 p.m.		Professional Concerns Committee	ME 2-3
12:15–1:45 p.m.		Laboratories Committee	CEB 442
12:30–2 p.m.	CW01	Modus Medical Devices: Medical Imaging Physics	CAB 377
1:45–3:45 p.m.	GA	PER: Cognition and Problem Solving	ETLC E1-013
1:45–3:45 p.m.	GB	Transforming University Physics Departments	ETLC E1-001
1:45–3:45 p.m.	GC	Voices from the Classroom: Past, Present, and Future	ETLC E1-017
1:45–3:45 p.m.	GD	Incorporating Writing in the Laboratory	ETLC E2-001
1:45–3:45 p.m.	GE	Culturally Responsive Physics Teaching	NRE 1-001
1:45–3:45 p.m.	GF	Seeing the Universe Without Our Eyes	NRE 1-003
1:45–3:45 p.m.	GG	Educational Technology	NRE 2-001
1:45–3:45 p.m.	GH	Rethinking the Upper-Level Curriculum	NRE 2-003
1:45–3:45 p.m.	GI	400 Years Since Galileo	ME 2-3
2–5:30 p.m.		Exhibit Show Open	SUB, Dinwoodie
2:30–4 p.m.	CW02	WebAssign: And You Thought It Was About Homework	CAB 377
2:30–4 p.m.	CW03	Physics 2000.com Free Workshop	CAB 373
4–5 p.m.		MILLIKAN AWARD: Eric Mazur	SUB, Horowitz
4:30–5:30 p.m.		Exhibit Show with refreshments	SUB, Dinwoodie
5–6 p.m.		Poster Session IV	ETLC, Solarium
5:45–7:15 p.m.		Summer Picnic (ticket)	Business Quad

7:15–8:15 p.m.		Demo Show	SUB, Horowitz
8:30–9:30 p.m.		Demo Show (open to public)	SUB, Horowitz
8–10 p.m.		RIPE (Research in Physics Education)	ETLC E1-013
8:30–10 p.m.		Women in Physics Committee	CEB 123
8:30–10 p.m.		Space Science and Astronomy Committee	CEB 442

Wednesday, July 23, 2008

7–9 a.m.		Programs Committee II	CEB 442
7:30–8 a.m.		Venture Fund	CEB 103
7:30 a.m.–5 p.m.		REGISTRATION	ETLC, Solarium
7:30–9 a.m.		Physics Bowl Advisory Group	CEB 123
7:30 a.m.–2 p.m.		Photo Contest Viewing	NRE Lower Foyer
8–9 a.m.		Great Book Giveaway & refreshments	ETLC, Solarium
9–11 a.m.	HA	Down from the Ivory Tower: Teachers as Activists	ETLC E1-001
9–11 a.m.	HB	Middle School and High School Teaching Strategies	ETLC E1-017
9–11 a.m.	HC	Scientific Communication and Writing	ETLC E2-001
9–11 a.m.	HD	College Physics	NRE 1-001
9–11 a.m.	HE	Historical Experiments in Physics	NRE 1-003
9–11 a.m.	HF	K-12 Partnerships and Community Outreach	NRE 2-003
9–11 a.m.	HG	Physics Teacher Preparation Around the U.S.	ME 2-3
9–11 a.m.	HI	Post-Deadline Paper Session	NRE 2-001
9–11 a.m.		PIRA Resource Room/ Apparatus Competition Viewing	ETLC, Solarium
9–11 a.m.		TYC Resource Room	ETLC, Solarium
11:15 a.m.–12:15 p.m.		AWARDS CEREMONY, AAPT and AIP	SUB, Horowitz
12:15–1:45 p.m.	IA	Crackerbarrel: Professional Concerns of PER Faculty	ETLC E1-017
12:15–1:45 p.m.	IB	Crackerbarrel: Professional Concerns of PER Graduate Students	ETLC E2-001
1:45–3:15 p.m.		PLENARY: Physics at the University of Alberta	ETLC E1-017
3:30–5:30 p.m.	JA	PERC Bridging Session	ETLC E1-001
5:30–10 p.m.		Executive Board III	Westin Hotel
6–8 p.m.		PERC Banquet	SUB, Dinwoodie Lounge
8–10 p.m.		PERC Contributed Poster Session	SUB, Horowitz foyer

Thursday, July 24, 2008

8:30 a.m.–5 p.m.		PER Conference	Telus Centre
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