Physics Education Research Conference

July 23rd to July 24th

2008

In the last ten years, the use of research-based instructional materials has moved well beyond the traditional research university. There are two reasons for this: (1) individuals in PER are moving from positions as graduate students and post docs at research universities to beginning faculty positions at a wide variety of colleges and universities and (2) the instructional materials developed by the PER community are being used by more and more faculty members outside of PER, at their home institutions.

Despite the fact that the use of these materials is so widespread, there is relatively little data documenting the effectiveness of these materials with different populations of students. In this session we encourage those who are using research-based instructional materials with non-traditional students at either the pre-college level or the college level to share their experiences as instructors and researchers in these classes. By inviting researchers from the education community, who specialize in these issues, we hope to establish a dialog between a diverse group of researchers in an effort to align the results from research with the instructional goals of the physics education community.

PER with
Diverse
Student
Populations

University of Alberta Edmonton, Canada

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Wednesday, July 23rd (buses run from 6-6 PM and 8-10:30 PM)

Bridging Session | Presiding: Sabella

3:30 PM Inequities in Physics Access and Enrollment in Urban High

Schools

Angela Kelly, Lehman College

4:00 PM A race-identity perspective on mathematics learning and

participation

Danny Martin, University of Illinois - Chicago

4:30 PM Impact of chemistry teachers' knowledge and practices on

student achievement

Kathryn Scantlebury, University of Delaware





$Banquet\ and\ Poster\ Session\ |\ {\it Presiding: Thompson}$

6:00 PM Dinner Banquet, Dinwoodie Lounge (Ticket Required) Dinwoodie Lounge

Fostering science learning in diverse urban settings

Kenneth Tobin, Graduate Ctr. of the City University of New York

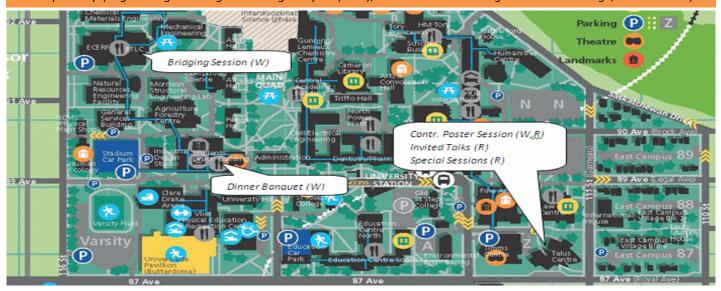
8:00 PM Contributed Poster Session, Cash Bar TELUS Centre Atrium CP.711

to

DT.01

Posters will remain on display for the duration of the conference CP.821

Campus Map (Engineering Teaching & Learning Complex (ETLC), Student Union Building - Dinwoodie Lounge, TELUS Centre)



^{*}Contributed Posters can be set up between 5 PM and 8 PM in the TELUS Centre Atrium

Thursday, July 24th (buses run from 7-9 AM and 4-7 PM)

Special Sessions 1					
		Targeted Po	ster Sessions		Round-table Disc.
8:30 AM -	TELUS 217	TELUS 219	TELUS 236	TELUS 238	TELUS 145
10:00 AM	TP-A	TP-B	TP-C	TP-D	RT-A
	Implementing PER in Other Cultures (Dykstra)	Does PER-based instruction help underrepresented groups succeed, and how can it do so better? (Crouch)	Developing learning skills in the physics classroom to attend to diverse populations (Yerushalmi/ Singh)	It works there. Will it work here? (Cummings)	Analyzing PSET for Content, Confidence and Comfort So Why Don't You Want to Teach Physical Science? (Van Wormer)
Discussant:	Kenneth Tobin	Kathryn Scantlebury	Danny Martin	Eric Dey	

10:00 AM	Break	TELUS Centre, Atrium	
Invited	Talks Presiding: Singh		
10:30 AM	What is Nepantla and How Might it Help Educational Researchers Conceptualize Knowledge for Teaching? Rochelle Gutierrez, University of Illinois - Urbana-Champaign	TELUS 150	IT.01
11:00 AM	A variety of diversity: Facing higher education's educational challenges Eric Dey, University of Michigan	12203 150	IT.02
11:45 AM	Luncheon	Outside TELUS Centre	

Special Sessions 2						
		Targeted Poster Sessions				
1:15 PM –	TELUS 217	TELUS 219	TELUS 236	TELUS 238	TELUS 145	
2:45 PM	TP-A	TP-B	TP-E	TP-F	RT-B	
	Implementing PER in Other Cultures (Dykstra)	Does PER-based instruction help underrepresented groups succeed, and how can it do so better? (Crouch)	Applications of PER in diverse settings: Perspectives on audience, method and implementation (Brewe)	Showing Ourselves Friendly: Addressing Race in Physics Culture (Dancy)	Learn "How to teach Physics" from The Feynman Lectures on Physics: An example on Gravitation (Lee)	
Discussant:	Kathryn Scantlebury	Kenneth Tobin	Angela Kelly	Rochelle Gutierrez		

2:45 PM	Break	TELUS Centre, Atrium
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Special Sessions 3

	Targeted Poster Sessions					
3:00 PM -	TELUS 217	TELUS 219	TELUS 236	TELUS 238		
4:30 PM	TP-C	TP-D	TP-E	TP-F		
	Developing learning skills in the physics classroom to attend to diverse populations (Yerushalmi/ Singh)	It works there. Will it work here? (Cummings)	Applications of PER in diverse settings: Perspectives on audience, method and implementation (Brewe)	Showing Ourselves Friendly: Addressing Race in Physics Culture (Dancy)		
Discussant:	Rochelle Gutierrez	Angela Kelly	Eric Dey	Danny Martin		

Panel Discussion	Presiding: Thompson, Sabella
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4:30 PM -	Led by Dey, Gutierrez, Kelly, Martin, Scantlebury, Tobin	TELUS 150	PD.01
5:30 PM			

PER Dating Service | Presiding: Thompson, Sabella

5:30 PM Interesting in replicating a study at another institution with a different population of students?

* if you did not submit a Dating Service abstract you can still participate and possibly

* TELUS, Atrium
Cash Bar

DS.02, +

* if you did not submit a Dating Service abstract you can still participate and possibly

more

^{*} if you did not submit a Dating Service abstract you can still participate and possibly find someone special.