



DIPARTIMENTO  
DI MATEMATICA  
GIUSEPPE PEANO  
UNIVERSITÀ DI TORINO

## WORKSHOP: MATHEMATICS EDUCATION AS A TRANSVERSAL DISCIPLINE

November 21, 2014. Aula Magna Rettorato (via Po 17)

h. 9.00	Catterina Dagnino Chair of Mathematics Department "G. Peano"	Welcome
h. 9.15	Ferdinando Arzarello Università di Torino	Introduction of the theme: Meaning equivalence and its applications
h. 9.30	Masha Etkind Ryerson University Toronto	Learning in the Digital Age with Meaning Equivalence Reusable Learning Objects (MERLO)
h. 10.15	Uri Shafir Toronto University	Concept Science Evidence-Based MERLO Learning Analytics
h. 11.00	Break	
h. 11.30	Ornella Robutti, Paola Carante Università di Torino	Applications in mathematics education: Master for teachers, App for smartphone. A new pedagogy?
h. 12.15	Discussion	
h. 13.00	Break	
h. 14.30	Ornella Robutti Università di Torino	Introduction of the theme: Argumentation in mathematical activities
h. 14.45	Paolo Boero Genoa University	Habermas' construct of rationality: looking at mathematical activities in a different way
h. 15.30	Ferdinando Arzarello Università di Torino	A new structural approach to argumentation in mathematics: from Toulmin model to Hintikka logic of inquiry
h. 16.15	Break	
h. 16.30	Michele Artigue Université Paris Diderot	Reaction to the presentations of Boero and Arzarello
h. 17.15	Discussion	
h. 18:00	End	



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