



CRMSE Colloquium Announcement

Francesca Ferrara and Giulia Ferrari
Dept. of Mathematics, *University of Torino*,
Italy

Time-lapse of a learning assemblage: How coordination and agreement inform movement in technology-based activities in the mathematics classroom

Thursday, February 11, 2016
1:00 – 2:00 pm
6475 Alvarado Road, Suite 128

RSVP: <http://crmse.wufoo.com/forms/crmse-colloquia/> or
email Karen Foehl Palmer at kfoehl@mail.sdsu.edu

Abstract: In this presentation, we use the notion of assemblage to talk about grade 9 students who work with dynamic graphical technology on the concept of function. In particular, we focus on a teaching experiment carried out in Northern Italy, in which the software WiiGraph and two Wiimotes have been used for modelling motion. We draw on de Freitas and Sinclair's vision of the body and assemblage theory to examine how the learning assemblage is composed by heterogeneous bodies in the classroom (both human and non-human), and how these bodies need to coordinate and agree with each other. This allows us to point out the centrality of movement in the mathematical activity and to study the entanglement of students, technology and concepts.