



CRMSE Colloquium Announcement

Dr. Tommy Dreyfus

Department Mathematics Science and Technology Education
Tel Aviv University

Constructing abstract mathematical knowledge in context

Friday, October 10, 2014

1:00 – 2:00 pm

6475 Alvarado Road, Suite 128

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

Abstract: Abstraction in Context (AiC) is a theoretical-methodological framework for studying students' processes of construction of abstract mathematical knowledge as it occurs in a mathematical, social, curricular and learning-environment context. Using this framework, we have, for example, explained students' inconsistent answers to closely related questions in elementary probability by considering the students' partially correct constructs. In the colloquium, I will present a brief introduction to AiC, and a selection of results of a research program carried out over the past 15 years with colleagues and graduate students.