

*The University of California, Irvine*

The Department of Education

presents

***Catherine Chase***

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***Monday, January 24, 2011***

***12:00PM – 1:15PM***

***Room – 2024 Education***

**Supporting science learning and student motivation with  
technology: A demonstration of the Protégé Effect**

This talk discusses cognitive and motivational supports for learning difficult science content, in the context of a software learning environment called a Teachable Agent, which was designed to model complex causal relations. A new phenomenon that emerged from the work is the Protégé Effect: students put forth greater effort to learn for the sake of another than for themselves. Two studies explore the behavioral and learning consequences of the Protégé Effect and potential mechanisms behind it.