NOEL ENYEDY
Associate Professor in the Urban Schooling Division of GSE&IS and Director of Research at the UCLA Lab School

“Play, Scientific Modeling, and Digital Technologies: A Case Study of Learning Physics Through Pretend Play”

The Science through Technology Enhanced Play (STEP) research group aims to transform the way we think about what is possible in early elementary science education. In this talk Enyedy will propose a perspective that uses new technologies to capitalize on young children’s developmental strengths and capabilities. Enyedy will report the findings from a project that harnessed the power of socio-dramatic play in the service of scientific modeling using motion tracking and augmented reality technologies. The Learning Physics Through Pretend Play project (NSF# 0733218) engaged 6–8 year old students (n=43) in a series of scientific investigations of Newtonian force and motion including a series of technology mediate play activities that allowed the students to develop a conceptual understanding of force, net force, friction and two-dimensional motion.

Noel Enyedy is an associate professor in the Urban Schooling Division of GSE&IS and the Director of Research at the UCLA Lab School. His program of research addresses how people learn through interaction and conversations. His projects often explore new ways to use technology to spark and support productive conversations in classrooms. Theoretically, he draws on both cognitive and sociocultural theories of teaching and learning to understand, design and improve mathematics and science education.

TUESDAY, FEBRUARY 4, 2014, 5:30 – 7:00
MEMORIAL UNION: MUII, 2ND FLOOR
No fee to attend – no RSVP required