

Joint CQSE and CASTS Seminar

Weekly Seminar
Apr. 25, 2014 (Friday)

TIME Apr. 25, 14:30 ~ 15:30
TITLE Computational & Informatics Approaches to Studying Brain & Behavior
SPEAKER Prof. Tsung-Ren Huang
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Neurobiology and Cognitive Science Center,
National Taiwan University
PLACE Rm716, CCMS & New Physics Building, NTU

Abstract

Is it possible to use few mathematical equations to characterize or explain complex human behaviors? In addition to computer simulations, what else can we do to leverage the power of computers to study psychology and cognitive neuroscience? This presentation discusses why theoretical psychologists and neuroscientists suffer from “physics envy” and how informatics techniques have become their essential tools for basic research and various applications. Research on animal, human, and machine learning will be used as a primary example to illustrate exciting advancements of psychological and brain sciences that are resulted from these computational and informatics approaches.

