

Physics Colloquium

Monday, March 9, 2020 / Pupin Hall Theory Center, 8th Floor / 12:30 PM

Lunch will be available for attendees

“Innovating education to educate innovators”

Eric Mazur - Harvard University



Can we teach innovation? Innovation requires whole-brain thinking – right-brain thinking for creativity and imagination, and left-brain thinking for planning and execution. Our current approach to science education (and education more generally), focuses on the transfer of information, developing mostly right-brain thinking by stressing copying and reproducing existing ideas rather than generating new ones. I will show how shifting the focus in lectures from delivering information to team work and creative thinking greatly improves the learning that takes place in the classroom and promotes independent thinking.