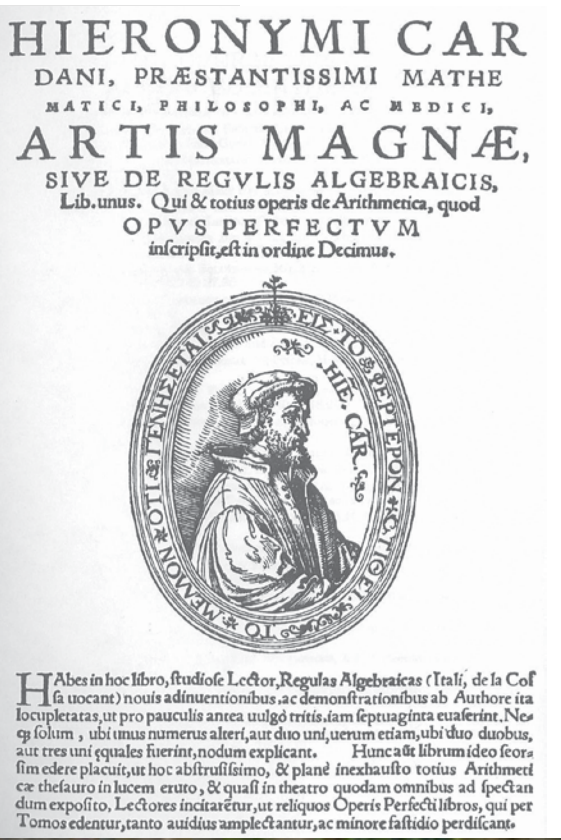


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The American Mathematical Society Presents
THE 2018 AMS EINSTEIN PUBLIC LECTURE IN MATHEMATICS



EDWARD FRENKEL IMAGINATION AND KNOWLEDGE

University of California, Berkeley

Saturday, April 21
5:15 pm

Blackman Auditorium, Ell Hall
Northeastern University

Reception to follow

Edward Frenkel is a professor of mathematics at the University of California, Berkeley, a member of the American Academy of Arts and Sciences, and the winner of the Hermann Weyl Prize in mathematical physics. He is the author of *The New York Times* bestseller *Love and Math*, which has been published in 18 languages. In this lecture Frenkel will talk about the role imagination plays in mathematics. Einstein said, "Imagination is more important than knowledge." Throughout history, imagination has provided bursts of insight that have enabled mathematicians to make new advances and to abandon what was taken for granted as well known and well understood. We see that in the discovery of imaginary numbers in Cardano's *Ars Magna*, in Ramanujan's marvelous formulas that he said were written by Goddess Namagiri in his dreams, in the ideas of the Langlands program, and much more. We need to acknowledge, embrace, and utilize our capacity to **imagine** in order to navigate this brave new world in which AI-powered information technology is being used to modify and control our behavior while we are being told that life is just an algorithm and a human is nothing but a sequence of 0's and 1's.

The Einstein Lecture is part of the Spring 2018 AMS Eastern Sectional Meeting (April 21–22) at Northeastern University.

Event details:
www.ams.org/meetings/sectional/2252_events.html
Sectional details:
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