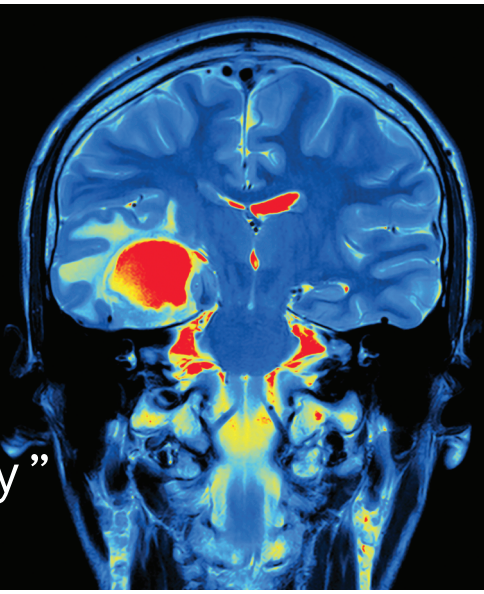
MSRI
Mathematical Sciences Research Institute

AMS
American Mathematical Society

Cordially invites you to a lunch briefing on Capitol Hill entitled

"Blackboard to bedside: How high-dimensional geometry is transforming the MRI industry"



WEDNESDAY
6.28.17
12:00 pm – 1:30 pm

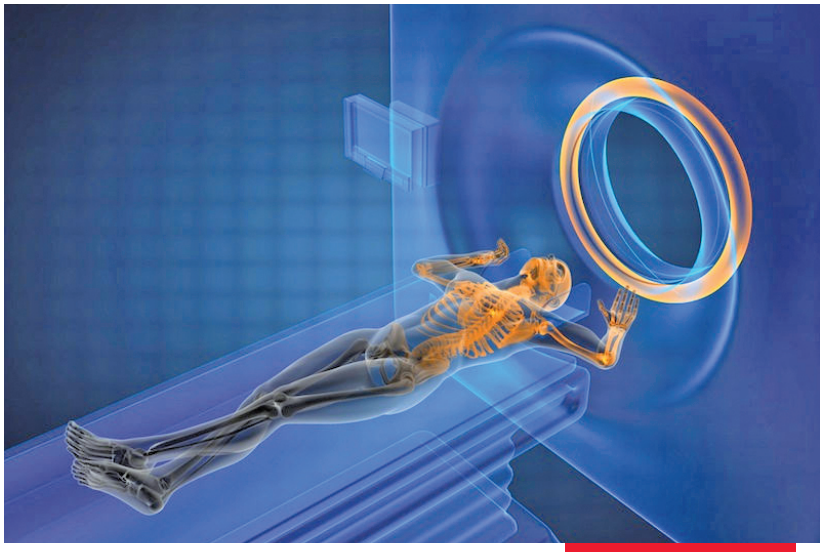
Room SR-188,
Russell Senate
Office Building

Introductions:
David Eisenbud
Director, Mathematical Sciences Research Institute (MSRI) &
Professor of Mathematics, University of California, Berkeley

Presenter:
David Donoho
Professor of Statistics
Stanford University

Recently the FDA approved a device for dynamic cardiac imaging that gathers data 15 times faster than before and another device that speeds up 3D brain imaging by a factor of 8. The speedup will allow more patients to be served at a lower cost per patient, giving US taxpayers a better return on the tens of billions of dollars in annual MRI charges. The presentation will tell the story of how US investment in basic research in the mathematical sciences led to this breakthrough.

David Donoho is a MacArthur Fellow and National Academy of Sciences member. One of the world's leading mathematical statisticians, he is currently the Anne T. and Robert Bass Professor of Humanities and Sciences and professor of statistics, Stanford University. His Stanford patents on compressed sensing are licensed by both GE and Siemens in their new generation FDA-approved scanners.



LUNCH WILL BE SERVED. SPACE IS LIMITED AT THIS WIDELY ATTENDED PUBLIC EVENT.

RSVP by June 21st to
alb@ams.org