MISSOURI S&T

Mathematics & Statistics Departmental Colloquium

Thursday, September 14, 2023, 1:00 pm-2:00 pm
208 Norwood Building and online via Zoom[1]

Please join for refreshments at 2pm in Rolla Building 202

Charles Y. Li

Professor

Department of Mathematics

University of Missouri Columbia

On the Mechanism of Turbulence

Abstract. The thesis statement of this talk is that fully developed turbulence is initiated, developed, and maintained by superfast linear amplifications and superfast nonlinear saturation of ever existing perturbations. The distinction from chaos will be clarified.

Biographical Sketch. Dr. Li received his Bachelor's degree from Peking University and his Ph.D. from Princeton University. His research focuses on chaos in partial differential equations, the Navier-Stokes equations and the associated turbulence phenomena in particular. He was a recipient of the prestigious Guggenheim Fellowship and the American Mathematical Society's Centennial Fellowship. Dr. Li is currently a full professor at University of Missouri Columbia.

For more information, see https://liyan.mufaculty.umsystem.edu

[1] Zoom Meeting ID: 6972661604
Passcode: math