

Center for Computational & Applied Mathematics

Distinguished Lecture Series

Roger Temam

Roger Temam is Distinguished Professor of Mathematics at Indiana University, and member of French Academy of Sciences and of the American Academy of Arts and Sciences. He has received numerous honors and awards, including Peccot Prize of College de France, Seymour Cray Prize in Numerical Simulation, several Honorary Professorships, and knighted with a Légion d'Honneur in France.

Temam's research interests span in several large areas of applied mathematics, including numerical computation of fluid flows, slow dynamics and inertial manifolds, turbulence theory, and climate modeling.



Modeling multiphase problems of the humid atmosphere

Monday, Nov. 7, 2016 | 4:30 PM | LWSN 1142

Abstract: In this lecture, I will described some multiphase problems connected to the humid atmosphere. I will present the modeling of the problems, and the study of the existence, uniqueness and regularity of solutions to the problems. Because of the changes of phase , the governing equations appear to be nonlinear non continuous and non-monotone. In addition some unilateral effects, lead to the introduction of variational inequalities.

Refreshments will be served outside of LWSN 1142 from 4:00 PM until 4:30 PM.