



Pacific Institute *for the*
Mathematical Sciences

PIMS-AMI Distinguished Lecture

Dr. Edriss S. Titi (Texas A&M University)

7 February, 2017
3:30 pm

Room: CAB 365
University of Alberta



THE NAVIER-STOKES, EULER AND OTHER RELATED EQUATIONS.

ABSTRACT: In this talk I will present the most recent advances concerning the questions of global regularity of solutions to the three-dimensional Navier-Stokes and Euler equations of incompressible fluids. Furthermore, and if time allows, I will also present recent global regularity (and finite time blow-up) results concerning certain three-dimensional geophysical flows, including the three-dimensional viscous (non-viscous) “primitive equations” of oceanic and atmospheric dynamics.

DR. EDRISS S. TITI is the holder of the Arthur Owen Professorship of Mathematics in Texas A&M University, a Professor of Computer Science and Applied Mathematics at the Weizmann Institute of Science in Israel, and Professor Emeritus in the University of California, Irvine.

Dr. Titi is a Fellow of the Institute of Physics, UK, a Fellow of the Society for Industrial and Applied Mathematics (SIAM), and a Fellow of the Inaugural Class of American Mathematical Society (AMS). He was the Orson Anderson and the Stanislaw M. Ulam Distinguished Visiting Scholar in the Los Alamos National Laboratory. He received the Humboldt Research Award for Senior U.S. Scientists. He also received the SIAM Prize for Best Paper in Partial Differential Equations. In 2013 he received the Science without Boundaries Scholarship, by the CNPq, Brazil.

FOR MORE INFORMATION ON DR. TITI, PLEASE VISIT:

[HTTP://WWW.PIMS.MATH.CA/SCIENTIFIC-EVENT/170207-PADCDEST](http://www.pims.math.ca/scientific-event/170207-PADCDEST)