



**RAMAIAH  
UNIVERSITY**  
OF APPLIED SCIENCES

**Report on**

**Distinguished Lecture Series (Online) by  
Professor Edriss S. Titi**

*“Recent Advances concerning the Navier Stokes and  
Euler Equations” and “Mathematical Analysis of  
Geophysical Models”*

**Organized by: Directorate of Research and ICPM**

**Ramaiah University of Applied Sciences,  
Date: 16 June 2020 and 22 June 2020  
Venue: Online**

# **Report on Distinguished Guest Lecture Series (Online) by Professor Edriss S. Titi**

## **“Recent Advances concerning the Navier Stokes and Euler Equations” and “Mathematical Analysis of Geophysical Models”**

### **Summary:**

As a part of continuation of the Distinguished Lectures, a series of online Distinguished Lectures have been delivered by Prof. Edriss Titi on the topics entitled "*Recent Advances concerning the Navier Stokes and Euler Equations*" and "*Mathematical Analysis of Geophysical Models*" at Ramaiah University of Applied Sciences (RUAS).

The Distinguished Lecture has engaged Participants across the world along with RUAS Internal Faculty Members and Ph.D. Scholars.

### **Event Description:**

Prof. Edriss Titi, Einstein Visiting Fellow within CRC 1114, University of Cambridge, Texas A&M University & Weizmann Institute of Science, has presented online Distinguished Lectures on the topics entitled "Recent Advances concerning the Navier Stokes and Euler Equations" and "Mathematical Analysis of Geophysical Models" at RUAS on 16 June 2020 and 22 June 2020.

The Distinguished Lectures Series has been initiated at RUAS in 2018 and has become since then a place for renowned academics, scholars, qualified experts and scientists to share their knowledge and debate on topics of current relevance. Distinguished Lectures Series delivered by outstanding scientists and academicians aims to:

- Create a scientifically advanced and challenging context for academic work and development of knowledge on topics of interest and importance to global scientific community
- Serve as one of the means to stay aware of the most recent scientific and technological developments,
- Provide benefits to professional peer networking to all Participants.

### **(Organizers)**

Prof. Edriss Titi, Einstein Visiting Fellow within CRC 1114, University of Cambridge, Texas A&M University & Weizmann Institute of Science

Dr. S. S. Sritharan, Vice Chancellor, RUAS

Dr. G. R. Kadambi, Pro Vice Chancellor – Research, RUAS

Dr. Sharath Kumar, Director – Research, RUAS

Ms. Lyubov Kulikovich, Deputy-Director, ICPM

**Objectives:**

1. To promulgate the recent advances concerning the Navier stokes and Euler equations
2. To present a discussion on mathematical analysis of geophysical models

**Budget:** Event is Free of Cost for All Participants

**Program and Speakers**

Sl. No.	Resource Person	Title of the Distinguished Lecture	Date and Time
1	<b>Prof. Edriss Titi</b> Einstein Visiting Fellow within CRC 1114, University of Cambridge, Texas A&M University & Weizmann Institute of Science	<b><i>Recent Advances concerning the Navier Stokes and Euler Equations</i></b>	16 June 2020 (3.30 pm IST)
2	<b>Prof. Edriss Titi</b> Einstein Visiting Fellow within CRC 1114, University of Cambridge, Texas A&M University & Weizmann Institute of Science	<b><i>Mathematical Analysis of Geophysical Models</i></b>	22 June 2020 (3.30 pm IST)

**Summary of the Event**

## Distinguished Guest Lecture Series (Online)



by

### Professor Edriss S. Titi

Einstein Visiting Fellow Within CRC 1114  
University of Cambridge, Texas A&M University &  
Weizmann Institute of Science

*"Recent Advances concerning the  
Navier-Stokes and Euler Equations"* – 16 June 2020 at IST 3:00 PM

Webinar Link:

*"Mathematical Analysis of Geophysical Models"*  
22 June 2020 at IST 3:00 PM

Prof. Edriss Titi, Einstein Visiting Fellow within CRC 1114, University of Cambridge, Texas A&M University & Weizmann Institute of Science, has presented online Distinguished Lectures on the topics entitled "Recent Advances concerning the Navier Stokes and Euler Equations" and "Mathematical Analysis of Geophysical Models" at RUAS on 16 June 2020 and 22 June 2020.

Distinguished Guest Lecture Series (Online) has been organized and moderated by RUAS. RUAS Key Participants attended the event were: Dr. S. S. Sritharan, Vice Chancellor, Dr. G. R. Kadambi, Pro Vice Chancellor – Research, Dr. Sharath Kumar, Director – Research, and Ms. Lyubov Kulikovich, Deputy-Director, ICPM. Speaker was Dr. Edriss S. Titi. The event has been made available free of cost to all Participants.

- **Programme:**

Distinguished Guest Lecture Series began with the introduction of the Speaker by Dr. S. S. Sritharan, Vice Chancellor, RUAS. Dr. Edriss Titi proceeded with his talk. Afterwards, there was a Q&A session, and the event has been concluded.

The Distinguished Lectures have engaged around 50 Participants across the world along with RUAS Internal Faculty Members and Ph.D. Scholars. Some of the participants were from Indiana University, University of Nebraska, South Korean and Chinese Universities along with local Indian Universities like Christ, Reva, IIST, and more.

## Conclusion and Outcomes

- **Programme outputs:**

During the Distinguished Guest Lecture Series, the objectives to promulgate the recent advances concerning the Navier stokes and Euler equations, and to present a discussion on mathematical analysis of geophysical models have been achieved successfully. The Distinguished Lectures have engaged around 50 Participants across the world along with

RUAS Internal Faculty Members and Ph.D. Scholars. Some of the participants were from Indiana University, University of Nebraska, South Korean and Chinese Universities along with local Indian Universities like Christ, Reva, IIST, and more.

## **Annexures**

### **Link to the Attendee Reports:**

\\10.10.53.16\icpm\Distinguished Lecture by Prof. Edriss S. Titi\1st Distinguished Lecture by Prof. Edriss S. Titi on 16 june 2020\AttendeeReport (1).xls

\\10.10.53.16\icpm\Distinguished Lecture by Prof. Edriss S. Titi\2nd Distinguished Lecture by Prof. Edriss S. Titi on 22 june 2020\ AttendeeReport (1).xls

### **Link to the Recordings:**

\\10.10.53.16\icpm\Distinguished Lecture by Prof. Edriss S. Titi\1st Distinguished Lecture by Prof. Edriss S. Titi on 16 june 2020\Dr. Edriss - Recent Advances concerning the Navier-Stokes and Euler Equations.mp4

\\10.10.53.16\icpm\Distinguished Lecture by Prof. Edriss S. Titi\2nd Distinguished Lecture by Prof. Edriss S. Titi on 22 june 2020\Dr. Edriss-Mathematical Analysis of Geophysical Models.mp4

### **Link to Q&A Reports:**

\\10.10.53.16\icpm\Distinguished Lecture by Prof. Edriss S. Titi\1st Distinguished Lecture by Prof. Edriss S. Titi on 16 june 2020\Qna\_Report.xls

\\10.10.53.16\icpm\Distinguished Lecture by Prof. Edriss S. Titi\2nd Distinguished Lecture by Prof. Edriss S. Titi on 22 june 2020\ Qna\_Report.xls