

國立中央大學數學系

專題演講

主 講 人：葉均承教授 (高雄師範大學)

演講題目：**Computational Modeling and Forensic Analysis
for Terrorist Airplane Bombing: a Case Study**

演講茶會：2019年12月13日(星期五) 2:00 p.m. ~ 2:30 p.m.

茶會地點：中央大學鴻經館M306

演講時間：2019年12月13日(星期五) 3:00 p.m. ~ 4:00 p.m.

演講地點：中央大學鴻經館M107

Abstract：

The bombing of airliners has been a tactic used by terrorists during the past 40 years. It become a big issue for homeland security. To investigation of such bombings, this talk provides the results of the development of mathematical modeling and computer simulation for the study of aircraft bombings and associated forensics.

The speaker will discuss some photographic evidence, introduce mathematical modeling and do computational modeling regarding a particular case --- Daallo Airline's bombing case on February 2, 2016, in which only a small amount of explosives was used to demonstrate the event reconstruction can be accomplished for the purpose of forensic investigations. Most of our supercomputer results are visualized by video animations in order to show the dynamic effects and phenomena of explosives and the associated event reconstruction.

贊助單位：

- 1.國家理論科學研究中心
- 2.國立中央大學數學系
- 3.國立中央大學數學與理論物理中心

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