

AIMS Conference 2016

Rochelle Kronzek

The American Institute of Mathematical Sciences or AIMS held its bi-annual conference “Dynamical Systems and Differential Equations” from July 1–5 2016 in Orlando, Florida. Executive Editor of World Scientific, Rochelle Kronzek was in attendance and WSPC exhibited many of the new and recent applied mathematics titles. The University of North Carolina at Wilmington were the regional sponsors of the conference.

The 2016 AIMS conference boasted more than 1,400 attendees from 84 countries. The Orlando conference hosted 117 special sessions related to differential equations, dynamical systems and their applications in science and engineering through analysis, modelling and computation. In total 1,800 abstracts were presented. Breakout sessions were held in 33 lecture rooms as well as the packed conference auditorium for the main sessions and keynote speakers. Applications to real-world problems, including chemical, economical, engineering, physical, environmental, and life sciences, in the forms of modelling, computations and simulation were featured.

Keynote Speakers included Dr Martin Hairer, Fields Medalist 2014 and mathematics professor at the University of Warwick, UK; Dr Irene Fonseca, Carnegie Mellon University Professor and current President of

the Society for Industrial and Applied Mathematics (SIAM); and Dr Stanley Osher, UCLA Professor and 2014 ICM recipient of the Carl Friedrich Gauss prize. He is also an Associate Director of the NSF-funded Institute for Pure and Applied Mathematics (IPAM) at UCLA.

A catered plated lunch was provided every day to all attendees and provided a spacious place to relax, catch up on emails and to chat with other attendees.

The American Institute of Mathematical Sciences (AIMS)

The first Journal published by AIMS was on Discrete and Continuous Dynamical Systems, Series A which was founded back in 1995. Today AIMS publishes twenty journals. The 2016 Orlando conference was the eleventh bi-annual conference for AIMS.

AIMS ongoing activities continues to be two-fold: creating and disseminating applied mathematics journals and organising/co-hosting its biannual conference together with a local university sponsor. The Dynamical Systems and Differential Equations conference rotates between being held at a US site and an International location.



The Aims Conference

The conference series was founded by Professor Shou-chuan Hu and is always arranged and facilitated together with the local sponsors and organisers.

AIMS held their first conference in Southwestern Missouri (the location of Missouri State University, school of AIM's founder Dr Hu) in 1996. There were 250 attendees. The next conference was held in Shanghai, China in 1998 where it was hosted locally by Shanghai Jiao Tong University. The third conference was held at Kennesaw State University, Kennesaw, GA, USA, May 2000.

2002 saw the conference hosted in Wilmington, North Carolina and organised by UNC Wilmington. It was at this conference that Dr Xin Lu (a professor at UNC Wilmington) was first in charge of the conference. He has been the AIMS conference chairperson ever since. The sixth conference was outside of the US once again. It was held at the University of Poitiers, Poitiers, France, June 2006 which was attended by a record of 700 mathematicians and scientists from 5 continents. The 2010 conference was held in Dresden, Germany. By the 2014 conference in Madrid, Spain over 2,200 attendees participated and the programme included several Fields Medalists as keynote speakers. World Scientific exhibited for the first time during the 2014 International meeting and the reception for the books was excellent.



Stanley Osher, the Keynote Speaker

Today, the AIMS bi-annual meeting is the largest conference of its kind in Analysis, Applied Analysis & Differential Equations including dynamical systems and real-world applications.

AIMS invites one and all to visit the AIMS website and try and make it to the Taipei conference during the summer of 2018:

<https://aimsciences.org/conferences/2018/Revised%202018%20AIMS-1.pdf>

Come with an expectation of high quality and a rich level of research excellence.



The conference chair of AIMS, Xin Lu (on left) and the founder, Shouchuan Hu (right)