

National Taiwan University
Center for Advanced Study in Theoretical Sciences

INTERNATIONAL WORKSHOP ON
INTERGRABLE SYSTEMS:

**Mathematical
Analysis**

and

Scientific

Computing

Workshop
19th-21st
OCTOBER
2015

Tutorial Course
17th-18th
OCTOBER
2015

Taipei, Taiwan

AIM

The objective of this workshop organized by **CASTS in National Taiwan University** is to get together international experts working on the mathematically important and computationally challenging integrable equations. The integrable equations of scientific importance include, for example, nonlinear Schrödinger equation, Camassa-Holm equation and Degasperis-Procesi equation in space-time or frequency domain. Long-time asymptotic solutions and their relevance to Painlevé equations of different types are also the main theme of this workshop. Besides the mathematical analysis of their mathematical features and exploration of rich physics, in this workshop we also invite distinguished speakers to present their recent developments on the computational aspect. To attract students and faculties entering into this mathematically important area, we also invite internationally distinguished speakers to give us tutorial courses.



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