The Hong Kong University of Science and Technology

Department of Mathematics

Seminar on Applied Mathematics

On the Camassa-Holm equation

By

Prof. Yong Zhou
Zhejiang Normal University

Abstract

In this talk, I will introduce some recent studies on the Camassa-Holm equation, which is a shallow water model in 1-D. First, the profile of corresponding solution with compactly supported initial datum will be investigated. Secondly, I will introduce a new and direct proof for McKean's theorem on wave breaking for the Camassa-Holm equation. Finally, I will discuss some open problems.

Date: *18 January 2012, Wednesday*

Time: *4:00p.m.-5:00p.m.*

Venue: *Room 5583, Academic Building (near lift 27 & 28, HKUST)*

All are welcome!