

## HEREDITARILY INDECOMPOSABLE CONTINUA AND

## **ENTROPY**

## **Speaker: Prof. Piotr Oprocha AGH University of Science and Technology, Poland**

Time: 16:00 p.m.-17:00 p.m., Friday, March 3rd, 2017 Venue: Room 2201, East Guanghua Tower (Main), Fudan University

## **Abstract:**

**One-dimensional** hereditarily indecomposable continua are mathematical objects of complicated structure, and their discovery is a part of history of Polish mathematical school. It is known since 1980s that such continua may arise as attractors in discrete dynamical systems on surfaces. Since then some insight into the topic has been made, however many questions still remain unanswered.

A particular example of such a question asks about admissible values of topological entropy on pseudo-arc or pseudo-circle.

 $Ay_{i} = \int y \, dx = \int y \, dx$ The aim of this lecture is introduction into the above topic and survey of some more recent results.

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