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## Algorithmic Games and Internet Market Design

By

**Prof. Xiaotie Deng**

*Chair Professor of Computer Science, Department of Computer Science  
City University of Hong Kong*

### **Abstract:**

Fundamental equilibrium problems of games and markets have become active research topics recently, largely due to the success of Internet market models, which in turn demands for computational/behavioral understandings of principles that govern participating agents at market places.

In this talk, I will focus on issues involved with algorithms and protocols for equilibria, with discussions on related applications to the Internet advertising market.

### **Biography:**

Professor Xiaotie Deng (BS@Tsinghua, MS@Chinese Academy of Sciences, PhD@Stanford) is a chair professor of computer science at City University of Hong Kong. He was an International Research Fellowship recipient of Natural Science and Engineering Council of Canada, worked at York University, Toronto, Canada. He has been elected ACM Fellow (2008) for his contributions to the interface of game theory and algorithmic methodologies.