



中央研究院 資訊科學研究所  
Institute of Information Science, Academia Sinica

Distinguished Lecture Series

# Future Directions in Computer Science Research



Thursday, December 18<sup>th</sup>, 2014 10:00am  
Auditorium 106 at New IIS Building

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Applied Mathematics in Computer  
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### Abstract

Over the last 40 years, computer science research was focused on making computers useful. Areas included programming languages, compilers, operating systems, data structures and algorithms. These are still important topics but with the merging of computing and communication, the emergence of social networks, and the large amount of information in digital form, focus is shifting to applications such as the structure of networks and extracting information from large data sets. This talk will give a brief vision of the future and then an introduction to the science base that needs to be formed to support these new directions.

For more information: <http://www.iis.sinica.edu.tw/>

