



Computing has emerged as a mature discipline in its own right. Indeed, many functionalities in our daily lives are software controlled. Beyond the classical areas in theoretical computer science and information systems, today's computing research aims to study new computing paradigms like cloud computing, novel applications of computing in graphics / media as well as social and economic issues in applying computing technologies. Today's frontiers in computing research thus involve study of classical computing areas as well as study of newer areas such as bioinformatics, computational linguistics, electronic commerce and big data analytics. In the classical areas, the research focus is on morphing existing concepts and notions with respect to emerging science / technology trends (such as the widespread growth of multi-cores, or the emergence of cloud computing, or radically new paradigms like quantum computing). In the newer areas, there exist many research opportunities such as analysis of gene sequences, developing reliable software for critical application domains like avionics or medical instruments, and the science behind online consumer behaviour and organizational use of IT.

At National University of Singapore's School of Computing, we are conducting research in various classical and emerging topics of computing. This 3-day workshop provides us an opportunity to discuss our ideas with faculty members and students from Singapore, China, India, Vietnam and other countries. Universities from these areas have made strong contributions in terms of computing research and education over the years. This event will provide a fertile ground for research discussions, collaborations and thought sharing among young as well as mature researchers from NUS and participating universities.

Applications are invited for this Research Workshop. All full time students who are in their third year of their Bachelor's degree or above are welcome to apply. We particularly welcome applications from students who are pursuing a Master's degree. We offer scholarships (including accommodation and subsidized airfare) to all selected students, and interested students are encouraged to apply as soon as possible.

Application deadline: 20 November 2015

Notification to students: 6 December 2015

Date of Workshop: 26 - 28 January 2016

Interested candidates may apply online at <https://mysoc.nus.edu.sg/~appln/workshop/>

For any queries regarding the Research Workshop, please send e-mail to socwksp@comp.nus.edu.sg

Program Outline

Day 1

Morning Session:

Welcome Speech

General Introduction of CS and IS Research Topics

Afternoon Session:

Selected topics on Multimedia and Wearable Computing

Day 2

Morning Session:

Selected topics on Programming Languages and Security

Afternoon Session:

Selected topics on Data Analytics and Networked Systems

Day 3

Morning Session:

Selected topics on IT Innovation and Organization

Afternoon Session:

Selected topics on Social Computing and Healthcare Information Systems

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