

CS Seminar

Computation of emotions

Peter Robinson
Professor of Computer Technology
University of Cambridge

Date:

May 16, 2019

Thursday

11:00 am

Venue:

Room 308

Chow Yei Ching Building

The University of Hong Kong

Abstract:

The importance of emotional expression as part of human communication has been understood since the seventeenth century, and has been explored scientifically since Charles Darwin and others in the nineteenth century. Recent advances in Psychology have greatly improved our understanding of the role of affect in communication, perception, decision-making, attention and memory. At the same time, advances in technology mean that it is becoming possible for machines to sense, analyse and express emotions. We can now consider how these advances relate to each other and how they can be brought together to influence future research in perception, attention, learning, memory, communication, decision-making and other applications.

This talk will survey recent advances in theories of emotion and affect, their embodiment in computational systems, the implications for general communications, and broader applications. The combination of new results in psychology with new techniques of computation on new technologies will enable new applications in commerce, education, entertainment, security, therapy and everyday life. However, there are important issues of privacy and personal expression that must also be considered.

About the Speaker:

Peter Robinson is Professor of Computer Technology at the University of Cambridge, where he works on problems at the boundary between people and computers. This involves investigating new technologies to enhance communication between computers and their users, and new applications to exploit these technologies. His recent work has included desk-size projected displays, emotionally intelligent interfaces and applications in semi-autonomous vehicles. This has led to broader explorations of what it means to be human in an age of increasingly human-like machines.

All are welcome!
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