

Session 4.1: Redeeming Personal Technology

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Title: The Role of Personal Technology in Modern Communications

Speaker: Prof Ah Chung TSOI

Faculty of Information Technology, Macau University of Science and Technology



Tsoi Ah Chung obtained his Master's and subsequently PhD in Control Engineering at the University of Salford, UK, and subsequently held positions at several universities across Australia. He has served as the Vice President (Research and Institutional Advancement) of Hong Kong Baptist University, (2007–2010) and Dean of the Faculty of Information Technology at Macau University of Science and Technology (2010–2015). His current research interests include neural networks, fuzzy systems, artificial intelligence, internet information retrieval, and web spam detection.

Abstract:

In this talk, we will consider the roles which could affect the ways we communicate with one another. This includes the ways in which a message could be communicated and understood by the recipients, the possible deployment of spoken dialog systems in educational contexts, the ways in which we could persuade another person to accept a point of view. Each of these areas has been impacted by recent advances in technologies, particularly in the areas of text retrieval, spoken dialog systems, machine translation, videos manipulations, and virtual and augmented reality. We will first highlight some of the technical capabilities of these technologies, noting the developments in recent years. We will then give examples of how such technologies could be used in the context of modern communications.

Reading:

- “Actor-Network Theory (ANT)” Bruno Latour
Article #25 in Scharff and Dusek.
- “Actor-Network Theory: Critical Considerations” Sergio Sismondo
Article #26 in Scharff and Dusek.
- “Consciousness in Human and Robot Minds” Daniel C. Dennett
Article #49 in Scharff and Dusek.

Further reading:

- “Experimentation and Scientific Realism” Ian Hacking
Article #11 in Scharff and Dusek.
- “Analytic Philosophy of Technology” Maarten Franssen
Article #18 in Scharff and Dusek.
- “The Mind Bleeds Into the World A Conversation with David Chalmers”
Edge. Available [here](#).
- “The Virtual and the Real” David Chalmers
Disputatio (forthcoming). Available [here](#).
- “A Standard Model for the Mind: Toward a Common Computational Framework
across Artificial Intelligence, Cognitive Science, Neuroscience, and Robotics” J. E. Laird,
C. Lebiere, and P. S. Rosenbloom
AI Magazine, **38** (2017) 13. Available [here](#).
- “Being No One” T. Metzinger
MIT Press, Cambridge: MA. 2003. Available [here](#).
- “The Ego Tunnel: the science of the mind and the myth of the self” T. Metzinger
Basic Books, New York: NY. 2010. Available [here](#).
- “Intentionality as a mark of the mental” T. Crane
In *Contemporary Issues in the Philosophy of Mind*, Anthony O’Hear (Ed.).
Cambridge University Press, Cambridge. 1998.
- “Superintelligence. Paths, Dangers, Strategies” N. Bostrom
Oxford University Press, Oxford. 2014. Available [here](#).