



For immediate release
22 March 1993

Lecture to clarify complexities of how robots see

Title: Robot Vision
Lecturer: Roland Chin, Professor of Computer Science, Hong Kong University of Science and Technology (HKUST)
Time: 11:00 a.m. - 12:30 p.m., Sunday, 28 March
Venue: Lecture Hall, Hong Kong Science Museum,
2 Science Rd, Tsimshatsui East
Language: Cantonese

Robots which function like people are still science fiction, but scientists are working to make these fictions reality. Magic wands aside, what is actually involved in making a machine which is able to see, to recognize, and to respond to stimuli in the environment?

Professor Chin's lecture will introduce how a machine (computer) "sees" its surroundings, subsequently processes sensed images, and finally deduces new information from what it has "seen". Simple examples of existing systems include book-reading machines for the blind, visual inspection systems for manufacturing, and autonomous vehicles. Basic components of these systems will be introduced, together with their functions and current limitations.

This lecture inaugurates the third annual Popular Science Lecture series jointly sponsored by the Hong Kong Science Museum and HKUST. As last year, the new series presents topics of current interest in science and technology and features professors and lecturers from HKUST as speakers. Breaking with tradition, this year's six lectures will be given in March, April, July, August, November and December rather than in a continuous series. They will generally be scheduled for the last Sunday of the month, and are always free and open to the public.

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