

DEPARTMENT OF COMPUTER SCIENCE

SEMINAR

2023 SERIES

Machine Vision based Emotional Interfaces

DATE & TIME

7 SEP 2023 (THU) 4:00 – 5:00 PM

VENUE

CVA 111, Lee Shau Kee Communication and Visual Arts Building,
Baptist University Road Campus



PROF. GUOYING ZHAO

Academy Professor
University of Oulu

ABSTRACT

Emotions play a key role in human-human interactions and become one key focus in future Artificial Intelligence. There is a growing need to develop emotionally intelligent interfaces, which are able to read the emotions of the users and adapt their operations accordingly. Among the areas of application are human-robot interaction, emotional chatpots, health and medicine, on-line learning, user or customer analysis, and security and safety. This talk will provide an introduction to the emotional interfaces, and overviews our progress in related research. The research topics to be covered include facial (micro)-expression recognition, emotional gestures, remote heart rate measurement from videos and potential applications. Finally, some future challenges are outlined.



SPEAKER'S
BIOGRAPHY



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