香港浸會大學
HONG KONG BAPTIST UNIVERSITY

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CURRENT STATUS AND FUTURE PROSPECTS OF DEEPFAKE DETECTION

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2:30 - 3:30 PM

DLB637, 6/F, DAVID C. LAM BUILDING, SHAW CAMPUS

ABSTRACT

We will first review the development history of deepfake detection technologies and propose a generational framework. From multiple perspectives, including generalization, interpretability, and evolvability, we will conduct an in-depth analysis and comparison of the technical characteristics of each generation of deepfake and detection methods, and summarize the structural challenges that existing detection technologies face when confronting advances in deepfake generation. Building on this, we will further discuss future trends in deepfake technologies, propose a feasible solution, and present preliminary exploratory results. Finally, if time permitted, I will also introduce our preliminary work on agent safety.

SPEAKER'S BIOGRAPHY

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