



**The Chinese University of Hong Kong**  
**Non-confidential Abstract of Technology Disclosure**

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**Title:**

**Systems and Methods for Enhancing the Performance of Streaming Media over TCP**

**CUHK Ref. No.:**

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**Inventor(s):**

Professor Jack Lee, Department of Information Engineering

**Patent Status:** US Patent Pending

**Licensing Status:** Available for licensing

**Non-confidential abstract:**

Media streaming is conventionally transported over specialized streaming protocols. However there are increasingly more content providers who offer their contents for streaming playback using non-streaming protocols such as HTTP over TCP. As TCP was not designed for media streaming it will create performance problems in streaming even if the network has more than sufficient bandwidth for the streamed media data. This invention presents solutions to this new class of performance problems in streaming media over TCP which can be readily deployed in today's networks and applications.

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