



School of Computing Science
Simon Fraser University
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Burnaby, British Columbia
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To:

October 28, 2016

ACM Doctoral
Dissertation Award
Committee

To Whom It May Concern:

It is my great pleasure to support Wei Cai's competition for ACM Doctoral Dissertation Award.

Wei's doctoral dissertation impacts the research of cloud gaming from three perspectives. First, it provides a most comprehensive literature review for current and future cloud gaming platforms. It will be a complete reference for the researchers in this topic. Second, the thesis addresses the real-time video transmission issue in conventional cloud gaming system. By exploring correlations among multiple players' video frames, this investigation significantly reduces the transmission rate from cloud to terminals. Third, Wei's dissertation innovatively proposes a new cloud gaming model with the idea of software decomposition. This is motivated by hybrid graphic transmission and extends the current cloud gaming to a future paradigm. It points out the trend of next generation cloud gaming studies for the community.

These contributions are essential in cloud gaming area. Also, it makes Wei's doctoral dissertation an outstanding one. To this end, I would offer my strong support for Wei's competition in ACM Doctoral Dissertation Award.

Should you need any further information, please feel free to contact me.

Sincerely,

Jiangchuan Liu

A handwritten signature in blue ink, appearing to be 'JL', is written over a light blue horizontal line.

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