

COMPUTER SCIENCE RESEARCH SEMINAR

Enhancing 5G Wireless Communication via Reinforcement and Deep Learning

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Friday, November 16 at noon in room R15, Engineering Building

Abstract: Before implementing a wireless communication system, a designer typically designs and analyzes the end-to-end system using theoretic channel models. However, due to unforeseen wireless channel conditions, noise, and the heterogeneity of 5G networks, an implemented system may fail to provide robust performance. In this talk, I will address this gap between theory and practice by discussing my previous and ongoing projects that leverage reinforcement and deep learning techniques for efficient 5G wireless communication.

Bio: Ankur Vora is a Ph.D. candidate in the Department of Computer Science at the State University of New York at Binghamton. His current research focuses on cross-layer 5G technology under the supervision of Prof. Kyoung-Don Kang.

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Refreshments will be provided!