

## COMPUTER SCIENCE RESEARCH SEMINAR

### Computational Modeling of Human Affection and Its Applications

**Dr. Lijun Yin, Professor**

**Department of Computer Science, Binghamton University**

**Thursday, September 10, 2020 at 9:00am (EST)/6:30pm (IST)**

**Zoom Link: <https://binghamton.zoom.us/my/lijunyin>**

**Abstract:** Study of human affection has been shifted from single model to multiple models in recent years from community of computer vision, machine learning, and psychology. Tracing behaviors of primitive features of face and physiology in a spatial-temporal domain could reveal precious information about the nature of the underlying physical process related human emotion and health status. This talk will introduce the recent advancement from Dr. Yin's group in vision modeling and data learning for 3D dynamic face construction, spatial-temporal expression detection, multimodal data & analysis, and their applications in healthcare, security, HCI, etc. Future developments will also be discussed in the end.

**Bio:** Dr. Lijun Yin is a Professor of Computer Science, Director of research center for Imaging, Acoustics, and Perception Science (CIAPS), Director of Graphics and Image Computing Laboratory, and co-director of the Seymour Kunis Media Core of T. J Watson College of Engineering and Applied Science of Binghamton University. His research contributes on development of computational methods in computer vision, graphics, human computer interaction for human behavior modeling, analysis, and understanding with about 150 publications and 8 patents. His 2D/3D/4D multimodal data have become the benchmark of the field with licensing to hundreds of groups in both academia and industry worldwide. Dr. Yin received the Lois B. DeFleur Faculty Prize for Academic Achievement Award, James Watson Investigator Award of NYSTAR, and SUNY Chancellor's Award for Excellence in Scholarship & Creative Activities. He has been serving as a program chair for a number of technical conferences and on editorial board of journals of Image and Vision Computing and PRL.

*This webinar is the premier event of the newly established Joint, Binghamton University and Vellore Institute of Technology in India, Artificial Intelligence/Machine Learning Webinar Series.*