UNIVERSITY OF HYDERABAD
SCHOOL OF
COMPUTER AND INFORMATION SCIENCES

Institution of Eminence
National Needs, Global Standards

INVITED TALK

BY

PROF. MOHAMMED J ZAKI

HEAD, DEPT. OF COMPUTER SCIENCE, RENSSELAER POLYTECHNIC INSTITUTE, TROY NY USA

TITLE

"MULTIMODAL GENERATIVE MODELS AND KNOWLEDGE GRAPHS"

ON

23rd June 2025, Monday
11:00 AM - 01:00 PM

AT

(EB208) New Seminar Room,
School of Computer and Information Sciences

About the talk in Speaker's words "In this talk, I will outline how knowledge graphs can be integrated within deep learning models for multimodal generative tasks. I'll ground the talk based on our recent work in the recommendation of healthy recipes in personalized health using the vast amount of open source data in this domain."

About the Speaker: Mohammed J. Zaki is a Professor and Department Head of Computer Science at RPI. He is also the co-director for the NSF IUCRC Center for Research Towards Advancing Financial Technologies (CRAFT). He received his Ph.D. degree in computer science from the University of Rochester in 1998. His research interests focus on novel data mining and machine learning techniques, particularly for learning from graph structured and textual data, with applications in bioinformatics, personal health and financial analytics. He has around 300 publications (and 6 patents), including the Data Mining and Machine Learning textbook (2nd Edition, Cambridge University Press, 2020). His research has won several best paper awards and nominations, including the EDBT'24 Test of Time Award. He is the founding co-chair for the BIOKDD series of workshops. He is currently an associate editor for Data Mining and Knowledge Discovery, and he has also served as Area Editor for Statistical Analysis and Data Mining, and as Associate Editor for ACM Transactions on Knowledge Discovery from Data, and Social Networks and Mining. He was the program co-chair for SDM'08, SIGKDD'09, PAKDD'10, BIBM'11, CIKM'12, ICDM'12, IEEE BigData'15, and CIKM'18, and he recently co-chaired CIKM'22. He is currently serving on the Board of Directors for ACM SIGKDD. He was a recipient of the National Science Foundation CAREER Award and the Department of Energy Early Career Principal Investigator Award, as well as HP Innovation Research Award, and Google Faculty Research Award. His research is supported in part by NSF, DARPA, NIH, DOE, IBM, Google, HP, and Nvidia. He is a Fellow of the IEEE, ACM, AAAS, and SIAM.

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