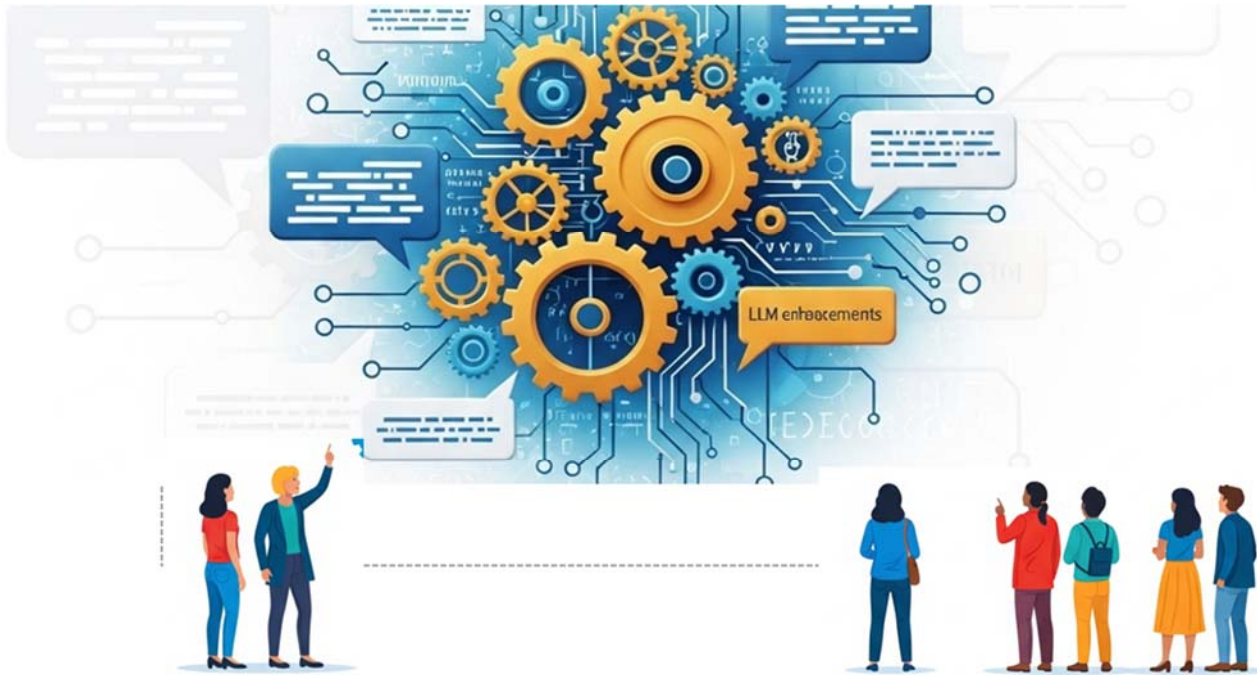




Recommender Systems: Algorithms, LLM Enhancements & Threat Mitigation



Presenter: Dr. Tomasz Zdziebko

Tuesday, 24 June, 2025, 10:00-12:00 AM, MT

HA 342 or [Google Meet](#), Concordia University of Edmonton (CUE)

Recommendation systems are foundational for modern digital ecosystems, shaping everything from e-commerce suggestions to personalized content and multimedia feeds. This talk will provide an overview of core recommendation algorithms - collaborative filtering, content-based, hybrid, and graph-based techniques - emphasizing their practical mechanics and typical data requirements. A brief section will outline major security threats, such as data poisoning and model manipulation and suggest high-level mitigation strategies, equipping students with a holistic view of system resilience.

Dr. Tomasz Zdziebko is an Assistant Professor at CUE's active partner University of Szczecin, and a Researcher/Developer at IAI S.A., Poland's largest e-commerce platform. His work involves developing recommender systems, ad optimization engines, and other practical e-commerce and marketing solutions powered by applied machine learning, used by millions of users. His research interests include recommender systems, e-commerce, user behavior analysis, machine learning, and cloud computing. Tomasz is going to visit CUE from June 23 to 27, 2025. Don't miss this opportunity to connect and collaborate!

Contact. If you have any questions regarding this talk, please contact Dr. Eslam G. AbdAllah at eslam.abdallah@concordia.ab.ca