

CSER2024 Spring Meeting 2024, June 10th -11th, Queen's University at Kingston				
Program on June 10th				
Location: BioSciences Complex, Room 1102, Queen's University				
Time	Session	Presenter(s)	Title	Organization
8:30 - 9:00	Registration & Coffee			
9:00 - 9:10	Welcome	Chaired by Bram Adams and Ying Zou		Queen's University
9:10 - 9:50	Keynote	Zhen Ming (Jack) Jiang	Challenges and Opportunities Associated with FM-powered Agent-oriented Software Engineering, Chaired by Ying Zou	York University
	(40 minutes)			
9:50 - 10:30	Session 1	Software Analytics I	Chaired by Zishuo Ding	University of Waterloo
	1 faculty talk + 3 regular talks + 4' swapping time			
	S1FT1	Ahmad Abdellatif	Towards More Effective Software Engineering Chatbots	University of Calgary
	S1RT1	Doriane Olewicki	An Empirical Study on Code Review Activity Prediction in Practice	Queen's University
	S1RT2	Rohith Sothilingam	A Goal-Driven Approach for Guiding Decision Points in ML Processes	University of Toronto
	S1RT3	Jiawen Liu	Understanding Open Source Contributor Profiles in Popular Machine Learning Libraries	Queen's University
10:30-11:00	Coffee Break			
11:00 - 12:00	Poster Lightning Talks			Royal Military College
	(1 minutes per poster)			
12:00 - 13:30	Lunch and Posters			
13:30 - 14:30	Panel 1	Chair: Yuan Tan	Foundation Models for Software Engineering	Queen's University
	Panelists: Ahmed E. Hassan, Foutse Khomh, Zhen Ming (Jack) Jiang, Shin Hwei Tan			
14:30 - 15:30	Session 2	Software Analytics II	Chaired by Jeremy Bradbury	Ontario Tech University
	1 faculty talk + 5 regular talks + 10' swapping time			
	S2FT1	Diego Elias Damasceno Costa	Dependency Management in Software Ecosystems	Concordia University
	S2RT1	Benoit Baudry	Automatic Specialization of Third-Party Java Dependencies	Université de Montréal
	S2RT2	Victor Guerra Veloso	A Mxed-Method in-Depth Study of Test-Specific Refactorings	Concordia University
	S2RT3	Mohayeminullslam	Characterizing Python Library Migrations	University of Alberta
	S2RT4	Shayan Noei	Detecting Refactoring Commits in Machine Learning Python Projects: A Machine Learning-Based Approach	Queen's University
	S2RT5	Md Nakhla Rafi	Towards Better Graph Neural Network-based Fault Localization Through Enhanced Code Representation	Concordia University
15:30 - 16:00	Coffee Break			
16:00 - 17:30	Session 3	Program Repair, Generation and	Chaired by Jinqiu Yang	Concordia University
	2 faculty talks + 6 regular talks + 14' swapping time			
	S3FT1	Shin Hwei Tan	Automated Program Generation for Testing and Repair	Concordia University
	S3RT1	Dong Jae Kim	A First Look at the Inheritance-Induced Redundant Test Execution	Concordia University
	S3RT2	Yingzhe Lyu	On the Model Update Strategies for Supervised Learning in AIOps Solutions	Queen's University
	S3RT3	Azmain Kabir	ZS4C: Zero-Shot Synthesis of Compilable Code for Incomplete Code Snippets using ChatGPT	University of Manitoba
	S3FT2	Chengnian Sun	Syntax-Guided Program Reduction	University of Waterloo
	S3RT4	Feng Lin	When LLM-based Code Generation Meets the Software Development Process	Concordia University
	S3RT5	JihoShin	Prompt Engineering or Fine-Tuning: An Empirical Assessment of Large Language Models in Automated Software Engineering	York University
	S3RT6	Hamed Taherkhani	Cost-effective Search-based Prompt Engineering of LLMs for Code Generation	York University
17:30 - 20:00	Social, Posters and Reception Dinner			
20:00	End			

Program on June 11th				
Location: Kinesiology, Room 100, Queen's University				
Time	Session	Presenter(s)	Title	Organization
8:30-9:00	Registration & Coffee			
9:00-9:40	Keynote	Nikolaos Tsantalis	Source Code Diff Revolution, Chaired by Bram Adams	Concordia University
	(40 minutes)			
9:40-10:40	Session 4	Software Evolution	Chaired by Mike Godfrey	University of Waterloo
	2 faculty talks + 3 regular talks + 9' swapping time			
	S4FT1	Pengyu Nie	Software Development, Evolution, and Testing in the Era of Large Language Models	University of Waterloo
	S4FT2	Lili Wei	Taming Android Compatibility Issues: The way back and the way forward	McGill University
	S4RT1	Maram Assi	LLMs to the Rescue! Empowering Developers with Large Language Models for Feature Improvement	Queen's University
	S4RT2	Aaditya Bhatia	Data Quality Antipatterns for Software Analytics - A Case Study of Software Defect Prediction	Queen's University
	S4RT3	QiaolinQin	Wrangling Data Issues to be Wrangled: Literature Review, Taxonomy, and Industry Case Study	Polytechnique Montreal
10:40 - 11:00	Coffee Break			
11:00 - 12:00	Session 5	Non-functional Issues in Software Engineering	Chaired by Pengyu Nie	University of Toronto
	2 faculty talks + 3 regular talks + 9' swapping time			
	S5FT1	Mariam Guizani	Building Inclusivity into Software Engineering	Queen's University
	S5FT2	Mariam El Mezouar	Beyond Code: Mining Insights from the Social Fabric of Software Development	Royal Military College
	S5RT1	Seif Abukhalaf	PathOCL: Path-Based Prompt Augmentation for OCL Generation with GPT-4	Polytechnique Montreal
	S5RT2	Zehao Wang	SensitiveTeeth: Leveraging LLM-Based Agents to Identify Performance-Sensitive Configurations in Software Systems	Concordia University
	S5RT3	Ning Ma	A Method to Estimate the Execution Times of Quantum Circuits on Quantum Computers	Polytechnique Montreal
12:00 - 13:30	Lunch			
13:30- 15:00	Tutorial	Dayi Lin, Filipe Cogo, and Gopi Krishnan Rejbahadur	Software Engineering for Foundational Model-Powered Software (FMWare)	
15:00- 15:20	Coffee Break			
15:20 - 16:30	Session 6	DevOps and Log Management	Chaired by Mohammed Sayagh	Ecole Technologie Supérieur - Québec University
	2 faculty talks + 4 regular talks + 12' swapping time			
	S6FT1	An Ran Chen	Towards Providing Automated Debugging Support in the ERA of DevOps.	University of Alberta
	S6FT2	Sean Kauffman	More Than Verdicts - Runtime Monitoring for Operators	Queen's University
	S6RT1	Zishuo Ding	Improving the Textual Information in Logging Statements	University of Waterloo
	S6RT2	Mohamed Amine Batoun	How Much Logs Does My Source Code File Need? Learning to Predict the Density of Logs	École de Technologie Supérieure
	S6RT3	Zeyang Ma	LLMParser: An Exploratory Study on Using Large Language Models for Log Parsing.	Concordia University
	S6RT4	Kundi Yao	Improving state-of-the-art compression techniques for log management tools	University of Waterloo
16:30 - 17:30	Panel 2	Chaired by Cor-Paul Bezemer	Secrets leading to a Successful Research Career	University of Alberta
	Panelists: Mike Godfrey, Gustavo Ansaldi Oliva, Nikolaos Tsantalis, Lili Wei			
17:30	Award Announcement and Closing			