

Department of Physics and Astronomy Colloquium Series

Tuesday, December 5th, 2023, 2:30pm in PSE 317

Speaker: Anirudh Krishnadas & Jean Luc Rukundo, both York U graduate students

Institution: York University

Title: Bridging Knowledge Divides: AI-Enhanced Global Access to Scientific Insights
Developed in a C4 Capstone Course

Abstract:

Join us for an engaging talk as we unveil a cutting-edge solution crafted during a transformative 12-week C4 capstone course, addressing the pervasive challenge of restricted access to 70 percent of scientific journals behind paywalls. Our innovative strategy leverages the power of AI natural language processing to provide global researchers with seamless access to Canadian university libraries in their preferred language, fostering inclusivity and breaking down geographical barriers. As physicists deeply immersed in this project, we navigated learning curves by adopting agile development methodologies, engaging in interdisciplinary collaboration, and translating theoretical knowledge into real-world applications. We'll share how this experience expanded our horizons and equipped us with essential skills for addressing complex, real-world challenges. This talk aims to spotlight the impactful nature of C4 courses, showcasing their ability to empower individuals, foster interdisciplinary collaboration, and contribute to a more inclusive and globally connected scientific community. Don't miss the opportunity to explore the transformative potential of AI in breaking down knowledge divides.