CONFERENCE ABSTRACT

September 27-29, 2024

Victoria, Canada

Abstract Book

September 27-29, 2024 – Victoria, Canada

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Venue

University of Victoria

September 28, 2024

Victoria, Canada

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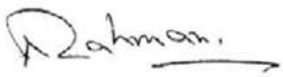
Welcome

As Conference Chair I'm honored to welcome all participants to the **Conference organized by Global Conference Alliance Inc.** held on September 27-29, 2024, in beautiful Victoria, Canada.

This conference will be an excellent opportunity to meet and network with delegates from around the world in areas of management, marketing, international business, human resource management, accounting, finance, entrepreneurship, digital marketing, informational technology, Nursing, healthcare, HRM Leadership, Social Science, Engineering, business, and economics. Participants should benefit from conference presentations exploring cutting-edge reviews and investigations in basic and applied research.

Attending this conference also gives you an opportunity to explore Victoria and enjoy its scenic views, tropical climate, and friendly people. Victoria enjoys a global reputation as one of the world's top cities for quality of life and recreation.

Thank you for considering attending the Conference. A wide scope of participation will enrich our conference and help us all add significant value and experience to our shared research objectives.

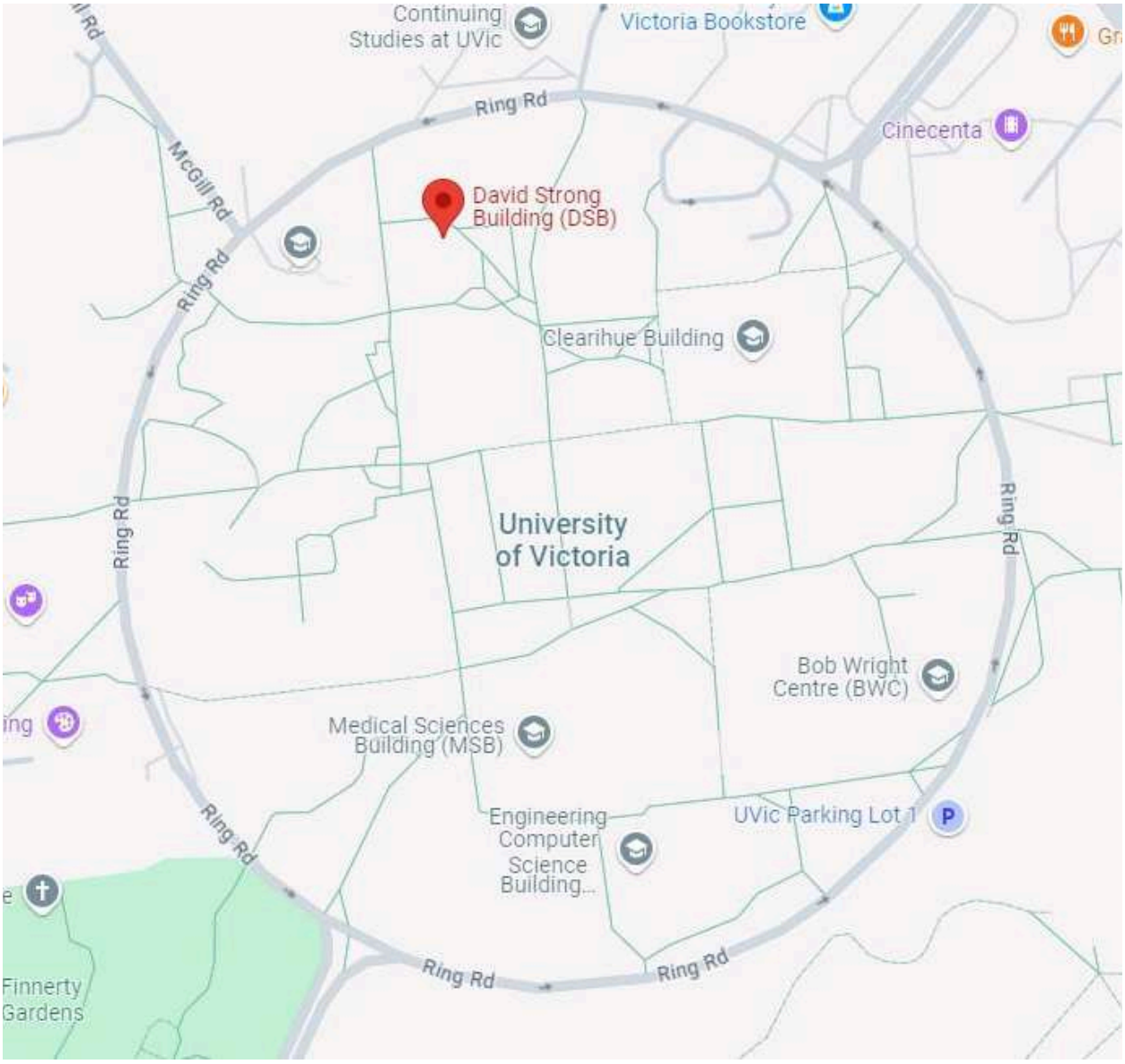


Dr. Afzalur Rahman
CEO & Conference Chair
Global Conference Alliance Inc.
Proudly Canadian, Truly Global

Conference Venue

University of Victoria
David Strong Building (DSB)
C108
3800 Finnerty Rd, Victoria, BC V8P 5C2, Canada

Directions:



Public Transit:

The University of Victoria (UVic) offers convenient public transit options that connect the campus to various parts of Greater Victoria. The David Strong Building (DSB), located at C108, 3800 Finnerty Road, is easily accessible by bus. Several BC Transit routes, including major ones like #4, #14, and #15, have stops near the campus, making it straightforward to commute. UVic's proximity to main roads and bus routes ensures a sustainable and efficient way for students, staff, and visitors to reach their destinations.

Driving & Parking

Driving to the University of Victoria's David Strong Building (DSB) at 3800 Finnerty Rd is straightforward, with major access routes like McKenzie Avenue and Gordon Head Road providing convenient entry to the campus. UVic offers multiple parking lots across the campus, with daily and hourly rates available. The nearest parking lot to the David Strong Building is Lot 1, located just a short walk away. Visitors can purchase parking passes from kiosks or use the mobile app for payment. Accessible parking and electric vehicle charging stations are also available. Parking regulations are enforced, so make sure to observe posted signage.

Accessibility

The University of Victoria (UVic) prioritizes accessibility across its campus, including the David Strong Building (DSB) at 3800 Finnerty Rd. The DSB is equipped with accessible entrances, elevators, and ramps for individuals with mobility challenges. Accessible parking spaces are located near the building in Lot 1, with easy access to pathways leading to the entrance. UVic also offers accessible washrooms, automatic door openers, and clear signage throughout campus buildings. For individuals needing assistance, UVic provides personalized accessibility support services, ensuring that the campus is inclusive for all students, staff, and visitors.

Conference Schedule

September 27-29, 2024 – Victoria, Canada

Disclaimer: Please note that all our conferences are multidisciplinary. In addition to the main topic, other topics may also be discussed during the scheduled sessions. Please note the main conference day is 28th September and the conference will be held at The University of Victoria. If you need any help on the 27th September please let us know, otherwise we are eager to have you on board on the conference day.

- **Friday, September 27, 2024 –** Arrival & Reception of the participants in Victoria, Canada
- **Saturday, September 28, 2024 (Conference Day)** – Registration, opening speech, keynote speech, and technical sessions:

Registration will start from 01:00 PM, Gate Closes at 1:30 PM

Activity List, Saturday 28th September, 2024 (Conference Day)	**Time**
Registration and Lunch	1:00 PM - 1:30 PM
Opening Remarks by Conference Chair Dr. Afzalur Rahman	1:30 PM - 1:40 PM
Keynote Speech by Aurora Faundo and Q/A	1:40 PM - 2:05 PM
Break	2:05 PM - 2:10 PM
Author Presentation Avinder Gill	2:10 PM- 2:35 PM
Break	2:35 PM - 2:40 PM
Keynote Speech by Dr. Musfiq Rahman and Q/A	2:40 PM - 3:05 PM
Break	3:05 PM - 3:10 PM
Author Presentation Farah Mohammadi	3:10 PM - 3:35 PM
Break	3:35 PM - 3:40 PM
Keynote Speech by Dr. Afzalur Rahman and Q/A	3:40 PM - 4:05 PM
Break	4:05 PM - 4:10 PM
Author Presentation Charles Kusi	4:10 PM - 4:35 PM
Photo Session and Certificate Giving Ceremony	4:35 PM - 4:45 PM
Closing Remarks	4:45 PM - 4:50 PM
Testimonials	4:50 PM - 5:00 PM

- **Sunday, September 29, 2024** – City Tour (optional to the participants)

Conference Committee

Keynote Speech

Dr. Afzalur Rahman

Doctor of Business Administration – DBA in International Business (USA)
Certified International Trade Professional – CITP (Canada)
Former Professor of Business Management – Douglas College (Canada)

Dr. Afzalur Rahman is a distinguished international business professional with over 15 years of experience in the field of global trade. His contributions have significantly advanced the understanding and management of international trade, impacting both local and international business landscapes. Dr. Afzalur Rahman is also dedicated to fostering academic growth by offering premier training, conference hosting, and event planning services to scholars and researchers, supporting the exchange of knowledge within the business community.

Dr. Afzalur Rahman holds a Doctor of Business Administration (DBA) in International Business and a Master of Business Administration (MBA) in Finance. His undergraduate degree in Business Administration and Management was earned at the University of Windsor, Canada. He is a Certified International Trade Professional (CITP) and a Chartered Professional in Human Resources (CPHR), underscoring his expertise in both international trade and human resource management.

Dr. Rahman's academic journey began as a professor of international business management at Thompson Rivers University, Canada. He has since held teaching and research positions at prestigious institutions including the University of British Columbia, Simon Fraser University, University Canada West, Columbia College, and Douglas College. His research interests span Business Strategy, International Business, International Marketing, Global Entrepreneurship, Retailing Management, and Human Resource Management. He has published numerous peer-reviewed articles on these subjects, contributing to the broader understanding of topics such as international trade theory, regional economic integration (NAFTA, ATPDEA, BRICS), foreign direct investment, and cross-cultural communication.

Keynote Speech

Aurora Faundo

Instructor, Business Management, Douglas College, Canada

Aurora is a business management instructor with extensive experience in managing people and projects. Her most recent accomplishments include leading a team of instructors in developing the three human resource management programs and fulfilling the role of Human Resource Specialisation Committee Lead in the Business Management department of Douglas College. Moreover, she is also actively leading and working on collaborative international institutional projects sponsored by Douglas College.

Aside from working in the academe, she also spent a number of years working in the food, manufacturing, consulting and alternative banking industries performing administrative, operational and extensive people management functions. Additionally, she worked as a corporate trainer delivering professional development courses to Accenture employees, as well as consulting work for a non-government organization for a number of years. Collectively, her teaching and non-teaching career spans over 25 years.

Aurora's education and training includes a Doctor of Education degree from Far Eastern University, Master in Business Administration degree from the Ateneo de Manila University, a Bachelor of Science degree from the University of the Philippines and a BC Provincial Instructors Diploma from Vancouver Community College. Additionally, she has also taken a Payroll Compliance Administration certificate from the Canadian Payroll Association. She also has a CPHR designation from the Chartered Professionals in Human Resources BC & Yukon.

Keynote Speech

Dr. Musfiq Rahman
Thompson Rivers University

Dr. Musfiq Rahman, an esteemed academic with over 18 years of experience, serves as the Chair of the Computing Science Department at Thompson Rivers University, Canada. He is a prominent expert in Information Technology and Computer Science, specializing in Cybersecurity, Cloud Computing, Machine Learning, Artificial Intelligence, Wireless Communications, and Networking Technology. Dr. Rahman has a proven track record in both academia and industry, having co-founded two tech startups and successfully led numerous research projects that attracted over 400K CAD in funding.

His extensive work in network security, including the development of key management protocols for wireless sensor networks, has earned him significant recognition, with two patents filed and over 25 peer-reviewed publications. His research spans cybersecurity for the Internet of Things (IoT), machine learning applications in environmental monitoring, and innovative solutions for wireless communications.

Dr. Rahman has also mentored graduate and undergraduate students, contributing to the next generation of IT professionals. His leadership extends to organizing and chairing major conferences and serving as a reviewer for prestigious journals. As a keynote speaker, Dr. Rahman shares his insights into the latest advancements in IT, cloud technology, AI, and cybersecurity, helping audiences understand the challenges and opportunities in these rapidly evolving fields. His engaging and informative style makes him a highly sought-after voice in the global technology arena.

Keynote Speech

Yasmin Jahir

Divisional Chair, Electrical and Computer Engineering Director of Operations, USA

Experienced Product Engineer with a demonstrated history of working in the computer software industry. Skilled in developing with background on c/c++, Java, OpenCV, Matlab, and c#. Strong engineering professional with a Master of Science (MS) focused in Electrical and Computer Engineering from University of Oklahoma.

Committee Members

- **Dr. Afzalur Rahman,** Douglas College, Canada Conference Chair
- **Dr. Michael Henry,** Thompson Rivers University, Canada; Dean, School of Business & Economics – Adviser
- **Masum Billah Bhuiyan,** Founder of Giant Marketers
  IT Entrepreneur || Public Speaker || Business Coach || Digital Marketing Expert
- **Mr. John O'Fee**, QC, Thompson Rivers University, Canada - Business Law and Human Resource Management
- **Dr. Erika Skita**, Instructor, Granville College in Vancouver, Canada
- **Dr. Dushyant Gosai**, Colorado State University-Global Campus, United States - Accounting
- **Mr. Simon Parker**, Douglas College, Canada - Marketing and International Business
- **Dr. Ahmed Hoque**, Vancouver Island University, Canada - Economics and Banking
- **Dr. Emrul Hasan**, The University of British Columbia, Canada -Finance
- **Dr. Murat Erogul**, Faculty Member, Adelphi University, USA
- **Ms. Marisa McGillivray**, Economist at Statistics Canada Consumer Prices Division
- **Mr. Quazi M. Ahmed**, IFC/World Bank Group Certified Master Trainer
- **Mrs. Yasmin Jahir**, Divisional Chair, Electrical and Computer Engineering Director of Operations, USA
- **Dr. Imtiaz Ahmed,** Assistant Professor, Department of Electrical Engineering and Computer Science, Howard University, Washington, DC, USA
- **Husnu Saner Narman,** Faculty Member at Marshall University

Authors' Presentation Review

Saturday, 28th September, 2024

Name and Affiliation	Title
Avninder Gill (Author) *Thompson Rivers University*	**Embedding Expert Knowledge in Supply Chain Project Decisions.**

Name and Affiliation	Title
Charles Kusi (Author) *Sheckles Investments Ventures* **Saeed Debrah Opoku (Co-Author)** *Sheckles Investments Ventures*	**A Granger Causality-Panel Regression Analysis of the Nexus of Country Risk and FDI From Emerging Economies: Evidence from Africa.**

Name and Affiliation	Title
Farah Mohammadi (Author) *Toronto Metropolitan Univeristy* **Arghavan Asad (Co-Author)** *Toronto Metropolitan Univeristy* **Seham Al Abdul Wahid (Co-Author)** *Toronto Metropolitan Univeristy*	**Quantum Combinational Circuits Design: Python Approach.**

Name and Affiliation	Title
Momoiyioluwa Oluyemi (Author) *University of Waterloo* **Pranav Agrawal(Co-Author)** *University of California Los Angeles* **Armaghan Salehian (Co-Author)** *University of Waterloo*	**Optimal Cable Wrapping Patterns for Minimizing Dynamic Impacts on a Host Plate Structure**

Instructions for Oral Presentation

Saturday, September 28, 2024

Devices provided by the conference organizer:

- Laptop (with MS-Office and Adobe Reader)
- Projector and Screen

Materials provided by the presenters:

- PowerPoint or PDF files (files should be copied to the conference laptop at the beginning of each session)

Duration of each presentation:

- Regular oral presentation – 10 minutes including Q&A
- Keynote speech – 20 minutes

Instructions for Publication

All accepted papers in the Conference will be published in the online conference proceedings:

Title: Conference Abstract September 27-29, 2024 – Victoria, Canada

ISBN : 978-1-998259-49-6

Format: Electronic book

Instructions for Participants

To attend the conference, please ensure you bring a printed invitation letter and a valid photo ID (such as Passport, Driving License, or any government-issued ID with a photo) on the day of the event. Admittance to the conference will not be granted without these documents. We greatly appreciate your cooperation.

Authors' Presentation Schedule

Saturday, September 28, 2024

Name and Affiliation	Title & Abstract
Avninder Gill (Author) *Thompson Rivers University*	**Embedding Expert Knowledge in Supply Chain Project Decisions.** **Abstract:** Making effective supply chains decisions and successfully bidding on operational projects requires a certain degree of precision in estimating the costs of such decisions. However, the factors that contribute to the cost are based on the managerial and expert knowledge and cannot often be determined with a high degree of accuracy. Fuzzy logics provides a viable option to model such scenarios. The present paper explores the use of fuzzy linguistic approach to embed expert knowledge and judgement in costing decisions. The methodology and the model is explained with the help of an illustrative example. **Keywords**: Supply Chain Management; Expert Knowledge; Project Costing; Fuzzy Logics

Name and Affiliation	Title & Abstract
Charles Kusi (Author) *Sheckles Investments Ventures* **Saeed Debrah Opoku (Co-Author)** *Sheckles Investments Ventures*	**A Granger Causality-Panel Regression Analysis of the Nexus of Country Risk and FDI From Emerging Economies: Evidence from Africa** **Abstract** This study sought to find the effect of country risk on foreign direct investments by measuring the impact of country risk on foreign direct investments and investigating the causality between the two. The study adopted the quantitative approach and collected annual data spanning 1991 to 2020 on country risk scores of African countries from the International Country Risk Guide database as well as foreign direct investment net-inflows for African countries from the World bank's database of World Development Indicators. Panel data modelling techniques were employed, and diagnostics tests indicated that the fixed effects model with individual as well as time effects was the appropriate panel model to use to analyze the data at hand. The estimated fixed effects model as well as the panel Granger causality tests indicated that country risk causes foreign direct investment net-inflows and that countries with higher country risk ratings lose or gain more if their country risk ratings reduce or increase as the case may be, than countries with lower country risk ratings for the same amount of change in country risk ratings. The study recommended that policy makers interested in attracting more FDI net-inflows should deliberately put in place policies and measures in the political, financial, and economic spheres that improves the country risk perception of their country since this will cause FDI net-inflows to increase. **Keywords**: Foreign direct investments; Country risk; Granger causality.

Name and Affiliation	Title & Abstract
Farah Mohammadi (Author) *Toronto Metropolitan Univeristy* **Arghavan Asad (Co-Author)** *Toronto Metropolitan Univeristy* **Seham Al Abdul Wahid (Co-Author)** *Toronto Metropolitan Univeristy*	**Quantum Combinational Circuits Design: Python Approach** **Abstract** As the demands for high performance, energy efficiency, and large bandwidth in artificial intelligence (AI)algorithms increase, quantum computing emerges as apromising solution to address the limitations of classical computing architectures. This paper presents the design andanalysis of quantum combinational circuits which include halfadders, full adders and ripple carry adders, implanted using IBM's Qiskit library on Python. Quantum computing leverage the principles of quantum mechanics, such as superposition and entanglement, to perform parallel computations and potentially provide exponential speedup for arithmetic operations. Quantum half adders are used as the basis for building full adders and ripple carry adders. Toffoli and CNOT quantum gates are used to optimize quantum cost and delay. Future work includes optimizing circuit efficiency and exploring alternative adder architectures to enhance the practicality and scalability of quantum computing applications in solving computational problems. **Keywords**: Quantum Computing, Combinational Circuits Design, Quantum Gates, Quantum Circuits, Adders, Python Libraries

Name and Affiliation	Title & Abstract
Momoiyioluwa Oluyemi (Author) *University of Waterloo* **Pranav Agrawal(Co-Author)** *University of California Los Angeles* **Armaghan Salehian (Co-Author)** *University of Waterloo*	**Optimal Cable Wrapping Patterns for Minimizing Dynamic Impacts on a Host Plate Structure** **Abstract** Multiple studies have shown that the power and signal transmission cables present in lightweight engineering structures significantly alter the dynamic behaviour of these structures. The objective of this work is to determine the optimal cable placement geometry on a host plate structure such that its dynamic behaviour undergoes minimal changes upon attachment of the cables. The cable wrapping is assumed to be periodic such that the cable-harnessed structure consists of several repeating fundamental elements. This allows for the application of an energy-equivalence homogenization approach for the development of the analytical model so that the optimization can be carried out. An optimization algorithm is used to check how well the frequency response functions of several cable-harnessed plate structures match that of the corresponding plate with no cables attached, to determine the ones that were least impacted by the cables attached to them. **Keywords**: Vibrations, Structural Dynamics, Continuum Modeling, Cable-Harnessed Structures, Plate Structures, Homogenization Method, Optimal Cable Wrapping, Natural Frequency, Frequency Response Function.

Note

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