

CARIRI / WAITRO Navigating Emerging Technology in the West Indies

June 18, 2024

9:00 a.m. - 11.30 a.m. AST

3:00 p.m. - 5.30 p.m. CEST

9:00 p.m. - 11.30 p.m. Beijing

Register Here <https://cariri.zoom.us/j/79418356879?pwd=ZUo5d293bnZkdzJ5d0ZpUW50aDZkdz09>

9.00 - 9.10 AM AST

Opening Remarks

Hans Erich Schulz , CEO, CARIRI, 1st Vice President, WAITRO

9.10 - 9.20 AM AST

Using AI in Research and Technology Organizations (RTOs)

Martha Liliana Marin, Innovation and knowledge leader, CTA, Columbia
Centro de Ciencia y Tecnología de Antioquia

9:20:9:35 AST (Introduction)

A Research Model for Interdisciplinary Research and Industry Collaborations

Professor Patrick Hosein
TTLAB

9:35-9:50 AST (Telecommunications)

Pricing eSIM Services: Ecosystem, Challenges, and Opportunities

Ramneek Sekhon, Patrick Hosein and Sangheon Pack
IEEE Communications Magazine
April, 2023

9:50:10:05 AST (Health)

On the Prediction of Kidney Stone Formers

Karishma Harrykissoon, Satyendra Persaud, Kris Manohar and Patrick Hosein
IEEE International Conference on Technology Management, Operations & Decisions, Morocco
Nov, 2023

10:05-10:20 AST (Insurance)

A data science approach to risk assessment for automobile insurance policies

Patrick Hosein
Springer International Journal of Data Science and Analytics
March, 2023

10:20-10:35 AST (Agriculture)

Weed and Water Stress Detection using Drone Video

F. Mohammed, J. Chattergoon, R. Fontelera, O. Mohammed and P.Hosein
International Conference on Smart and Innovative Agriculture, Yogyakarta, Indonesia
Nov, 2022

10:35-10:50 AST (Cybersecurity)

Cybersecurity Threat Analysis for an Energy Rich, Small Island Developing State

Reshawn Ramjattan, Darren Ramsook and Patrick Hosein
West Indian Journal of Engineering
Feb, 2021

10.50 AM - 11.30 AST

Q&A and Closing

CARIRI

Meet our Speakers



Mr. Hans-Erich Schulz has over twenty-five (25) years of senior management and project management experience in a range of industries including mining, manufacturing, transportation, technical services and sustainable development in both the public and private sector.

He has also managed climate change and environmental projects with the United Nations Development Programme (UNDP) including the Low Emission Capacity Building (LECB) Programme and Nationally Determined Contribution (NDC) Support Programme for Trinidad and Tobago, as well as the formulation of the Persistent Organic Pollutants National Implementation Plan for Trinidad and Tobago.

Mr. Schulz holds a Bachelor of Science (BSc.) degree in Biochemistry and Master of Science (MSc.) degrees in Chemistry and Environmental Management, as well as an MBA in Marketing Management and is a certified Project Management Professional (PMP). He is currently the First Vice-President of the World Association of Industrial and Technological Research Organisations (WAITRO).



Martha Liliana Marin is currently the Innovation and knowledge leader of the CTA in Colombia. She is an Industrial designer with about 10 years of experience in product design and innovation consultancy. She also holds a large experience in researching, designing and implementing custom methodologies and practical tools to enhance co-creation processes towards promoting sustainable strategies in organizations and territories. With experience in analyzing Science, Technology, and Innovation (STI) Policy at the local and regional level, and in the creation of programs for STI policies in the context of green growth and transformative innovation. With skills managing international networks as WAITRO and the Latin American and Caribbean HUB of Transformative Innovation.



Professor Patrick Hosein attended the Massachusetts Institute of Technology (MIT) where he obtained five degrees including a PhD in Electrical Engineering and Computer Science. He has worked at Bose Corporation, Bell Laboratories, AT&T Laboratories, Ericsson and Huawei. He has published extensively with over 150 refereed journal and conference publications. He holds 41 granted patents in the areas of telecommunications and wireless technologies. He was nominated for the Ericsson Inventor of the Year award in 2004, was the Huawei US Wireless Research Employee of the year for 2007 and is a 2015 Anthony Sabga Caribbean Laureate for Science and Technology. Patrick is presently the administrative and technical contact for the TT top level domain, CEO of the TTNIC and a Professor of Computer Science at the University of the West Indies. His present areas of research include Applied Data Science, Operations Research and Performance and Pricing Optimization for Cellular Networks.



Reshawn Joseph Ramjattan holds bachelor's (2018) and master's (2020) degrees in Computer Science from the University of the West Indies. As an alumnus of the TTLAB research group, he worked on algorithms and machine learning for real-world challenges. Reshawn is currently a third-year PhD student in Computer Science at the University of Pisa. His ongoing research is on developing an easy-to-use continual learning framework tailored towards time-series machine learning models. Technically, his main interest lies in continual learning and artificial intelligence. More generally, he is focused on problems oriented towards social good and bridging the gap between industry and academia.



Fazeeia Mohammed is a Sustainability Data Specialist within Legal Services & Corporate Affairs at Republic Financial Holdings Limited. A double graduate of the University of the West Indies, she holds degrees in Environmental and Natural Resource Management (2015) and Computer Science (Special) (2021). Focused on the intersection of sustainable development and data science, her research interests encompass Natural Language Processing, Emission Evaluation, Precision Agriculture, and Sustainability Practices. Fazeeia is committed to bridging the gap between sustainable development principles and data science methodologies. Outside of her professional endeavors, she enjoys hiking, nature photography, and engaging with farming simulation games. Noteworthy accomplishments include leadership roles in both the FAAIR project and the Mindwise internship program.



Ramneek Sekhon is currently working as a Research Professor at the School of Electrical Engineering, Korea university. She graduated with a PhD in Grid and Supercomputing from the Korea Institute of Science and Technology Information in 2017. Her present areas of interest include QoS and Pricing Optimization for Cellular Networks, IoT, Edge Computing, and Blockchain Technology and Neural Networks for Radio Resource Management.



Karishma Harrykisson obtained her MSc. Data Science (distinction) and BSc. Actuarial Science (Special) (first class honours) at the University of the West Indies, St. Augustine Campus. She developed an interest in statistical inference and data analytics in her final year as an undergraduate student. She currently works as an Operations Analyst at Prestige Holdings Limited attached to the Subway brand. Her main responsibilities include working with various departments to improve key performance indicators, analyzing business data and reporting on such, and developing and monitoring data metrics related to inventory management and store performance. Karishma is a philomath and in her free time she enjoys reading, cooking, and connecting with nature.