CARILEC
An Association Of Electric Energy Solution Providers

ICT ROUNDTABLE

Theme: Bridging the Gap: Securing the Future

Keynote Speaker: Javed Samuel

Date:
Wednesday - 27th November, 2024

Time:
9:00 AM - 2:30 PM

Platform:
Virtual on Zoom

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zoom **Register Now**

https://tinyurl.com/CARILECICT2024

For More Information :
training@carilec.org

AGENDA

9:00 AM - 9:10 AM **Opening Ceremony**

Welcome Remarks
Jacqueline Joseph, Administrative Assistant/Member Care, CARILEC

Brief Remarks
Dr. Cletus Bertin, Executive Director, CARILEC

Housekeeping and Announcements
Sophia L. Primus, Member Services Manager, CARILEC

9:10 AM - 9:30 AM **INTRODUCTION OF KEYNOTE SPEAKER**
Moderator: **Martyn Ford,** CAREC Manager

KEYNOTE: Cybersecurity Principles Beyond 2024
Keynote Speaker: **Javed Samuel**

9:30AM - 10:30 AM **PRESENTATION 2: Utility Cybersecurity Experience: Case Study Discussion**

#1 Challenge, **Cybersecurity Risks** :The increased use of ICT in managing electrical grids and infrastructure exposes the sector to cyber-attacks. Ensuring the security of data and protecting critical systems from malicious threats is a major concern.

Kelvin Eubanks, Information Technology Manager &
Dr. Neil Smith, Chief Executive Officer, British Virgin Islands Electricity Corporation (BVIEC)
Vijay Datadin, Divisional Director, Information Technology, Guyana Power & Light (GPL)
Ivan Ng, NV Elmar (Aruba)

Moderator: **Dr. Cletus Bertin**, Executive Director, CARILEC

AGENDA

10:30 AM - 10:45 AM **BREAK**

10: 45 AM - 11: 30 AM **PRESENTATION 3: Data Management and Integration**

#2 Challenge: With the advent of smart grids and advanced metering infrastructure, there is a vast amount of data generated. Efficiently managing, analyzing, and integrating this data across various platforms and systems can be complex and resource intensive.

Vijay Datadin, Divisional Director, Information Technology; GPL
Hector Cruz David, Business System Analyst, BVIEC
Moderator: **Dr. Lyndell St. Ville**, CEO, Datashore

11:30 AM – 12:30 PM **Panel Discussion: #3 Challenge: Legacy Systems Compatibility, High Cost of Implementation, Regulatory and Compliance Issues**

Many electricity providers still rely on older, legacy systems that may not be fully compatible with new ICT solutions. Upgrading these systems or integrating them with modern technology can be challenging and costly. Deploying new ICT solutions, such as advanced grid management systems or smart meters, requires significant investment. The initial costs can be a barrier, particularly for smaller utilities or those in developing regions. The electricity sector is regulated, and governed by legislation, and ICT implementations must comply with various standards and regulations. Navigating these requirements while adopting new technologies can be complex and time-consuming.

Elvin Richardson, ANGLEC,
Dr. Lyndel St. Ville, CEO, Datashore
Gerry George, CEO, DigiSolv,Inc
Moderator: **Martyn Ford**, CAREC Manager

AGENDA

12:30 PM - 1:00 PM	**LUNCH**
1:00 PM - 1:45 PM	**PANEL DISCUSSION** **#4 Challenge: Interoperability** As new technologies and systems are adopted, ensuring that different ICT components and systems work seamlessly together is crucial. Interoperability issues can arise, affecting the efficiency and reliability of electricity management and delivery. **Gerry George**, CEO, DigiSolv,Inc **Javed Samuel** Moderator: **Dr. Cletus Bertin**, Executive Director, CARILEC
1:45 PM - 2:30 PM	**Presentation 5** **# 5 Challenge : Job Function and Processes vs AI** **Wynn Alexander**, St. Lucia Electricity Services Ltd (LUCELEC) **Dr. Cletus Bertin**, Executive Director, CARILEC Moderator: **Nakita Dusauzay**, IT Admin/Desktop Publisher, CARILEC
2:30 PM - 2: 35 PM	Polls, Wrap up and next steps **Sophia L. Primus**, Learning & Development Manager, CARILEC

PRESENTER BIO

Javed Samuel has been in the cybersecurity field for over two decades working on a range of products for a variety of companies from Fortune 500 companies to startups and the Caribbean. He delivered the 2024 Saint Lucia Independence Lecture on Engineering St. Lucia's Development through Technology Innovation. He has also provided support on the planning committee for the AI Global South Summit.

Most recently, he has focused on novel cryptographic implementation and design assessments across a range of areas such as open-source cryptography projects, embedded devices, post-quantum cryptography, block-chain ecosystems, smart contract execution environments, authentication mechanisms, encryption tools and custom protocol reviews. We also devote significant time to cryptography research across multiple areas and regularly present at various security conferences.

He is also currently the Assistant Chief Examiner for CSEC Additional Mathematics, a member of 1st National Bank Board Information Technology sub-committee and a son of the soil. He has worked on several projects within the Caribbean including a digital currency mapping project with CARICOM and DCash with the Eastern Caribbean Central Bank. This has included analyzing digital currency usage, modernizing the payment system, and enhancing problem-solving skills. He previously served on the board of SALCC, where he focused on information technology and e-learning initiatives.

Javed obtained an MEng and BSc in Computer Science MIT. His MEng thesis was in geometric algorithms: Lower bounds for Embedding the Earth Mover Distance Metric into Normed Spaces. He obtained a Rhodes Scholarship and completed an MSc in Applied and Computational Mathematics at Oxford University. His thesis was on analyzing a mathematical model of the spread of computer viruses: The Fitness Network: Properties and Epidemic Dynamics.