

Jamaica Institution of Engineers' Conference

"Engineering our Future through Celebrating our Heritage"

Monday, September 17, 2018 (Day 1)

8:00 - 9:00	Registration
9:00 - 9:45	Opening Ceremony
9:45 - 10:00	COFFEE BREAK
TECHNICAL SESSION 1:	Operations Management
10:00 - 10:30	Logistics Management – Future of Trade Professor Fritz Pinnock, President, Caribbean Maritime University
10:30 - 11:00	Supply Chain Visibility: Critical or Not to the On-Time Delivery Performance of SME Supply Chains? Engr. Yolanda Silvera (PhD), P.E., Project Engineer, Jamaica Social Investment Fund
TECHNICAL SESSION 2:	Technology Innovation
11:00 - 11:30	Telecom in Jamaica: Then, Now and Future Mr. Stephen Price, Managing Director, Cable & Wireless Jamaica Limited
11:30 - 12:00	Engineering Smart Cities for Jamaica, a Low Cost IOT Approach Engr. Dave Muir (PhD), Caribbean Maritime University Mr. Jeremy Mcray, Mr. Romaine Rattray, Mr. Lionel Chambers, University of Technology, Jamaica
12:00 - 12:30	JPS - Evolution of Electrical the Grid in Jamaica Mr. Winston Blackwood, Manager, Smart Grid, Jamaica Public Service Company Limited
12:30 - 1:30	LUNCH
TECHNICAL SESSION 3: Energy Management	
1:30 - 2:00	National Energy Sector Development

**Mrs. Yvonne Barrett-Edwards, Senior Director, Energy Division, MSET,
OPM**

- 2:00 - 2:30 Hydropower in Jamaica
**Mr. Peter Baker, Maintenance Manager - Renewable Department,
Jamaica Public Service Company Limited**
- 2:30 - 3:00 Biofuels: Diversifying Jamaica's Energy Mix
**Engr. Paula Henry, University of Technology, Jamaica,
Mr. Phillip Scott, President and Chief Operating Officer of Elhydro**
- 3:00 - 3:30 Combined Heat and Power (CHP) System Optimization Using Energy, Exergy
and Thermodynamic Analysis - Case Studies
Quamie Mortley PhD, Energy Consultant
- 3:30 - 4:00 Developing a Sustainable Approach to Reducing Non-Technical Loss in Small
Island State - Jamaica
Engr. Noel Sinclair MSc, P.E., CEM, IEEE

TECHNICAL SESSION 4: Biomedical Engineering

- 4:00 - 4:30 Biomedical Engineering of Jamaican Yam Tuber for Drug Targeted Therapy in
Prostate Cancer and its Potential Use in Green Nanotechnology Formulation
S. Wright, W. Aiken, H. Asemota, University of the West Indies, Mona

TECHNICAL SESSION 5: Professional Engineers Registration Board (PERB)

- 4:30 – 5:00 PERB and its role and the importance of the Professional Engineer's Registration
Act
Ms. Nicole Burgher, Attorney at Law, PERB
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Tuesday, September 18, 2018 (Day 2)

8:00 - 9:00	Registration
9:00 - 9:30	Manufacturing Mr. Richard Pandohie, Chief Executive Officer, Seprod Group

TECHNICAL SESSION 1: Infrastructure Development

9:30 - 10:00	The Development of Port Royal Engr. Dr. Damian Graham P.E., General Manager, Urban Development Corporation
10:00 - 10:30	COFFEE BREAK
10:30 - 11:00	Government of Jamaica Infrastructure - Road to Opportunity Engr. Everton Hunter P.E., Chief Executive Officer, National Works Agency
11:00 - 11:30	The Benefits of Concrete Roads Mr. Andre Nelson, Cemex Jamaica Limited
11:30 - 12:00	Constructing and Handling Structures Designated as Massive Concrete Adrian M. Lawrence PhD, P.E., University of the West Indies, Mona
12:00 - 12:30	Mechanical Properties of Coconut Fibre Reinforced Concrete Engr. Nicolas McMorris, PhD, P.E., S. Anderson, M. Carty, R. Williams, R. Nugent, A. Vacciana, University of the West Indies, Mona
12:30 - 1:30	LUNCH
1:30 - 2:00	Norman Manley International Airport – Past, Present and Future Engr. Horace Bryson P.E., Senior Director - Engineering Maintenance & Projects, Norman Manley International Airport (NMIA)

TECHNICAL SESSION 2: Climate Change and Environmental Impact

2:00 - 2:30	Plastic Manufacturing – "Is the end of plastic near?"
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Mr. William Mahfood, Chairman, Wysinco Group Limited

- 2:30 - 3:00 Not to be ignored: The Urgency of Climate Change
**Professor Michael Taylor, Dean - Faculty of Science and Technology,
University of the West Indies, Mona**
- 3:00 - 3:30 Jamaica's Climate-Related Vulnerability and Damages: Present and Future
Climates
Dr. Christopher Burgess P.E., Managing Director, CEAC Solutions Co. Ltd.
- 3:30 - 4:00 Climate Change and Jamaica's Airports
Ms. Olivia Pink, LeighFisher, Canada
- 4:00 - 4:30 Nexus of Natural Disasters and Uninformed Planning - Caribbean Terrace, a
Case Study
**Engr. Dr. David Smith P.E., Managing Director, Smith Warner International,
Ms. Tina Dolphin, Mr. Rori Woodstock, Ms. Abigail DuQuesnay, Ms. Aniffe
McClue, Mr. Romaine Morrison, University of the West Indies, Mona**
- 4:30 - 5:00 An Analysis of Air Quality – Riverton Fires
**Mr. Anthony McKenzie, Director Environmental Management &
Conservation, National Environment & Planning Authority**
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Wednesday, September 19, 2018 (Day 3)

Maintenance Engineering and Management Workshop

8:00 - 9:00	Registration
9:00 - 9:30	Strategies for Increasing Productivity in Manufacturing and Services Industries Dr. Haldane Johnson, Engr. Junior Bennett P.E, Miss. Sharon Nelson, University of Technology, Jamaica
9:30 - 10:00	How to save money with an Energy Audit Mr. Stanley Smellie, University of the West Indies, Mona
10:00 - 10:30	Strategic Asset Management: Overview and Best Practices Mr. Jerry Joseph, P. Eng., LeighFisher, Canada
10:30 - 10:45	COFFEE BREAK
10:45 - 11:15	Maintenance Management Engr. Rupert R. James P.E., MJIE, CLA, OSHA, Facilities Manager – Port Authority of Jamaica
11:15 - 12:30	MAINTENANCE ENGINEERING <ul style="list-style-type: none">- Availability & Reliability- Mean Times & Maintenance Strategies- Total Productive Maintenance Planning- Customer Service for Maintenance Environment Engr. Godfrey Boyd, JP, P.E., General Manager, Petroleum Company of Jamaica, (PETCOM)
12:30 - 1:30	LUNCH
1:30 - 4:30	The Use of Ultrasound and Vibration in Condition Monitoring Mr. Thomas Murphy, Managing Director, Corporate Training, SDT Ultrasound Solutions
4:30 - 4:45	CONFERENCE CLOSING REMARKS

Jamaica Institution of Engineers' Week 2018

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Friday, September 21, 2018

Contract Administration & Procurement Workshop

8:00 - 9:00	Registration
9:00 - 9:30	Regulatory Frameworks (Functions & Governance) Mr. Anthony Warner - Consulting Engineer, President & CEO Virtual Engineers, Canada
9:30 - 10:00	International Code Council - Application of Jamaica Building Codes Mrs. Julia Bonner-Douett, Director - Standards, Bureau of Standards Jamaica
10:00 - 10:30	COFFEE BREAK
10:30 - 11:00	Public Private Partnership – The Airports Authority of Jamaica Experience Mr. Audley Deidrick, President & Chief Executive Officer, Airports Authority of Jamaica
11:00 - 12:00	FIDIC 2017 Mr. Woodrow Whiteley, Woodrow Whiteley & Associates
12:00 - 1:00	LUNCH
1:00 - 1:30	Benefits of the Dispute Arbitration Board Mr. Dean Burrowes, Burrowes & Wallace
1:30 - 2:00	Arbitration Act Dr. Christopher Malcolm, FCI Arb, Senior Lecturer & Director - Faculty of Law, University of the West Indies, Mona
2:00 - 2:30	Engineering Ethics Engr. Omar Sweeney P.E., Chairman - Professional Engineers Registration Board (PERB)
2:30 - 3:00	Submission and Evaluation of Claims Engr. Dr. Wayne Reid P.E., Director - Jentech Consultants Limited
3:00 - 3:30	Prospective Safety Performance Evaluation on Construction Sites Engr. Leighton A. Ellis, PhD, University of the West Indies, Mona, Mr. Ovi Mottley, BSc, University of the West Indies, St. Augustine
3:30 - 3:40	CLOSING REMARKS

Saturday, September 22, 2018

Site Tour - "South Jamaica Power Company, Old Harbour, 190 megawatt Plant"