

Ruel L.A. Ellis

Date of Birth: March 8th, 1967

Nationality: Citizen of Trinidad and Tobago

Faculty of Engineering
The University of the West Indies
St. Augustine campus
Trinidad and Tobago, W.I.
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Email: ruel.ellis@sta.uwi.edu

Education/Training

2017 Wa Samaki Ecosystems

Certificate: Permaculture Design

Designing and Implementing Permaculture technologies and principles

2015 Export Center Company Limited

Certificate: Carnival Arts

Design and Construction of Carnival Costumes, including Wire Bending.

2014 CARISCIENCE/UNESCO-ISTIC

Technopreneurship Workshop on Idea Commercialization

2012 World Intellectual Property Organization

Certificate: Patent Drafting

Preparing Patent Drafts for protection applications.

2011-2012 The University of the West Indies

Postgraduate Certificate: University Teaching and Learning

The Theories and Philosophies in modern tertiary education. Employing technologies to meet with the modern learners.

2009 The University of the West Indies

PhD: Industrial Engineering

Thesis Title: The impact of knowledge reinforcement on learner performance on learners of different learning styles and pre-knowledge.

The research included the development of an E-Learning Tutor, with varying frequency of knowledge reinforcement. The tutor was tested and statistical analyses performed on the collected data, leading to the identification of models for e-learning tutors which can aid in the optimization of learning in individuals of different learning styles and pre-knowledge.

1993-1994 Brunel University of West London

MSc Advanced Manufacturing Systems

MSc. Project: The impact of numbering systems on compressor design at CompAir, Broomwade.

The aim of the project was to reduce the variations in compressor designs do to the absence of a number coding system for fasteners, such as nuts and bolts, in order to accelerate the design process. The project also resulted in the reduction of the number of types of nuts and bolts that the Company had in inventory.

1991-1992 The International Correspondence School

Diploma: Microprocessor Repair

Involved the trouble-shooting and repair of industrial computer systems.

1990-1991 The University of the West Indies

Post-Certificate: Principles and Practices of Management

The course focused on the development of skills in Strategic Management, Managerial Accounting and Human Resource Management

1986-1989 The University of the West Indies

BSc Industrial Engineering

Final Year Project sought to identify quality control issues in the garment industry in Trinidad and Tobago

Other Competencies

- Regional Entrepreneurship Asset Commercialization Hub (WIPO/IDB)
- Complex Project Management (MIT 2009)
- ProModel Simulation Software
- Database Development in MS Access
- MS Project (Planning, Tracking, Controlling)
- Macromedia Authorware, Flash, Dreamweaver
- Basic German

Research Interests

My research interests include: The use of multimedia in technical/vocational education, and the impact of different media on learning outcomes of learners with different learning preferences. Also, identification of the impact of information systems, on the performance of project management teams and organizations.

Publications

(i) Books

- Timothy-Ellis, M. And Ellis, R.** English Series: Reading Workbook A, 2007.
- Timothy-Ellis, M. And Ellis, R.** English Series: Idioms Workbook A, 2008

(ii) Articles Published in Journals

Pounder, Gerard A.J. Ellis, Ruel L.A. and Fernandez-Lopez, Gerado, “Cognitive Function Synthesis: Preliminary Results”, *Kybernetes* 46(2):272-290 · February 2017 (IF: 0.637)

Ellis, Ruel L.A. and Sobers, L., “Project Management Model for the Application of Carbon Capture and Storage in Trinidad”, *The West Indian Journal of Engineering*, WIJE (Volume 36 Number 1 July/August 2013: pp11-18. (IF: N/A)

ELLIS, R. and PERSAD, P., “Design and Implementation of Computer-Based Training: A Quality Assurance Approach”, *Asian Journal on Quality*, October 2004, Volume 5, No. 2, pp26-44. (IF: N/A: Cited- 1)

Pun, K.F., Ellis, R. and Lewis, W.G., “Exploring web-based collaborative paradigms for manufacturing competitiveness”, *The International Journal of INGENIUM*, No.1/2/3/4, July 2005, pp.199-206 (IF: N/A)

Pun, K.F., Ellis, R.L.A. and Chan, L. "Development of a quality manual for a research and educational centre: a case study", *Asian Journal on Quality*, Vol.6, No.2, 2005, pp.131-146 (IF: N/A)

Ellis, R.L.A.; Persad, P. “Computer Based Automotive Emission Control Systems Training.” Electronics, Robotics and Automotive Mechanics Conference, 2007. CERMA 2007, Volume , Issue , 25-28 Sept. 2007 Page(s):774 – 779 Digital Object Identifier 10.1109/CERMA.2007.4367782 (IF: 6.810)

Prakash Persad, Jorrel Bisnath, Ruel Ellis, "Investigating the Use of a Robot with Tabla Education," digitel,pp.103-107, 2008 Second IEEE International Conference on Digital Game and Intelligent Toy Enhanced Learning, 2008 (IF: 6.810: Cited- 2)

(iii) Papers Presented at Conferences

1. **PUN, K.F. Chin, K.S. and ELLIS, R.**, "Adopting action-based teaching in universities: a project management perspective", *Proceedings of the 2003 International Conference on Agile Manufacturing (ICAM 2003)*, The Institute of Innovation Research, BeiHang University (BUAA), Beijing, P.R. China, December, 2003, pp.639-644.

2. **ELLIS, R., PERSAD, P. FANOVICH, S., and CHEN, T.**, “Disaster Management in the Education System: A Distant Education Perspective”, *Proceedings of APETT’s 18th Annual Conference on Engineering Infrastructure, Planning and Development for Disaster Preparedness and Mitigation*, April 2005, pp59-66.

3. **SEECHARAN, T. and ELLIS, R.**, “Analysis of Fatal Automobile Accidents in Trinidad and Tobago”, *Proceedings of APETT’s 18th Annual Conference on Engineering Infrastructure, Planning and Development for Disaster Preparedness and Mitigation*, April 2005 pp84-92.

4. **ELLIS, R and PERSAD, P.**, “Computer-based Training for Sustainable Development”, *Proceedings of APETT’s 17th Annual Conference on Asset Management and Maintenance Engineering*. The University of the West Indies, St. Augustine, Trinidad and Tobago, March 2004, pp. 66-71.

5. **PUN, K.F., ELLIS, R. and LEWIS, W.G.**, “A University-Industry Collaboration Agenda for establishing a Manufacturing Research Centre at UWI”, *Proceedings of the 20th International Conference on CAD/CAM, Robotics and Factories of the Future*, San Cristobal, Tachira, Venezuela, July 2004, pp296-303.

6. **ELLIS, R. and PERSAD, P.**, “Incorporating Individual Learning Styles in CBT Designs”, *Proceedings of the 20th International Conference on CAD/CAM, Robotics and Factories of the Future*, San Cristobal, Tachira, Venezuela, July 2004, pp304-310.
7. **BRADSHAW-NILES, P. and ELLIS, R.**, “Benchmarking: Can it be applied to Government Regulation of the Energy Sector”. *Proceedings of the SPE Latin America and Caribbean Petroleum Conference*, Port of Spain, Trinidad, April 2003, SPE 81097.

8. **ELLIS, R. and PERSAD, P.**, “Virtual Manufacturing: Product and Process Improvement”, *Proceedings of the 16th Annual APETT Technical Conference on Manufacturing for the 21st Century*, The Association of Professional Engineers of Trinidad and Tobago, Trinidad, March 2003, pp 05-31.

9. **ELLIS, R., and PERSAD, P.**, “CBT in the Workplace”, *Proceedings of the 16th Annual APETT Technical Conference on Manufacturing for the 21st Century*, The Association of Professional Engineers of Trinidad and Tobago, Trinidad, March 2002, pp 11-16.

10. **ELLIS, R., PERSAD, P. and CHADEE, A.**, “Application of Fuzzy Logic Control for Decision Making in the Operation of a Domestic Water Booster Station”, *Proceedings of the SPE Latin America and Caribbean Petroleum Conference*, Durban, South Africa, 2001, pp. 940-947.

11. **ELLIS, R. and PERSAD, P.**, “Evaluation of a Web-based /Tutoring Systems”, *Proceedings of the 15th International Conference on CAD/CAM, Robotics and Factories of the Future*, ISPE/IEE, Sao Paulo, Brazil, August 1999, RF Session, pp.3-6.

12. **Pun, K.F., Ellis, R. and Lewis, W.G.**, “Exploring web-based collaborative paradigms for manufacturing competitiveness”, *Proceedings of 21st International Conference on CAD/CAM, Robotics and Factories of the Future (CAR & FOF 2005)*, Krakow, Poland, July 17-20, 2005

13. **ELLIS, R., and PERSAD, P.**, “Learner Styles, Learner Performance, in a Computer Mediated Learning Environment”, *Proceedings of the 23rd International Conference on CAD/CAM, Robotics and Factories of the Future*, ISPE/IEE, Bogota, Colombia, August 2007, pp.729-733

14. **Ellis, R.L.A., and Persad, P.**, “Collaborative Learning: Using DVD Presentation In Industrial Databases and Systems Design Course.” *Proceedings of The 16th CAS Biennial Conference Caribbean Academy of Sciences*, Grenada, October 2008

15. **Ellis, R.L.A., and Persad, P.**, “Leveraging Education and Training for Economic Development Using CBT Technologies,” *Proceedings of The 16th CAS Biennial Conference* Caribbean Academy of Sciences, Grenada, October 2008

(iv) Other Publications

1. **Pun, K.F. and Ellis, R.L.A.** (ed), *CD Proceedings of APETT's 17th Annual Conference on Asset Management and Maintenance Engineering*, Association of Professional Engineers of Trinidad and Tobago/The University of the West Indies, St Augustine, Trinidad and Tobago, March 2004.

2. **Pun, K.F. and Ellis, R.L.A.** (ed), *CD Proceedings of APETT's 18th Annual Conference on Engineering Infrastructure, Planning and Development for Disaster Preparedness and Mitigation*, Association of Professional Engineers of Trinidad and Tobago/The University of the West Indies, St Augustine, Trinidad and Tobago, April 2005

3. **Ellis, R.L.A. and Chin, M.W.** (ed) *CD Proceedings of InStructE, Special One Day Conference on the Hurricane Season of 2004- Implications for Structural Engineering Practice in the Caribbean*. Institute of Structural Engineers, Caribbean Division. July 2005

4. **Pun, K.F. and Ellis, R.L.A.** (ed), *CD Proceedings of The 16th CAS Biennial Conference*. Caribbean Academy of Sciences, October 2008

University Administrative Experience

- Department of Mechanical and Manufacturing Engineering: Year I Coordinator.

- Coordinator of the MSc. Project Management Program, responsible for Curriculum review and development, student and staff recruitment.
- Member of the University's Committee for evaluating projects for patent protection and commercialization.

- Member of the Faculty of Engineering's Information and Communications Technology Committee.

- Member of the Faculty of Engineering Undergraduate Entrance Committee.

- Member of Campus Disciplinary Committee

Teaching

(i) Undergraduate:

IENG 2004/3009 Industrial Database Design (Semester 2)
IE/ME302 Industrial Project (Year Long)
IENG3016 Applied Project Management (Semester 1)
IENG3015 Enterprise Information Systems (Semester 1)
IENG3008 Simulation (Semester 2)
MENG3006 Production Management (Semester 1)
ECNG3021 Introduction to Engineering Management and Accounting Systems;
Project Management Module* (Semester 1)
ENGR3003: Engineering Entrepreneurship ** (Semester 2)

(ii) **Postgraduate:**

PRMG 6002 Project Management Information Systems (Trinidad/Guyana)
PRMG 6009 Project Management of Information Technology projects
CDEN 6005 Design as a Strategic Business Tool
MENG 6307 Design and Simulation of Manufacturing Systems
FOSQ 5002/6002 Project Management in Food and Agriculture

(iii) Tutor/E-Tutor in UWIDEC's Management Studies Program

1. Production Management and Operations Planning and Control; Tobago, Sangre
Cristal Strategic Management; St.
Augustine

Remarks: * Shared with colleagues. **First Examiner

Additional Academic Experience

Supervision of Postgraduate Students at UWI

PhD Students:

1. (Student: Gerard Pounder); In-Progress
2. *"The Nexus between Project Management Competency and National Development"*; (Student: Irwin Archer); In-Progress
3. *"Understanding/Examining the role of Project Management Methodologies in the success of projects across Small Island Developing States (SIDS) in the Caribbean"*; (Student: Alice Thomas Martin); In-Progress

MSc Production/Engineering Management:

1. *"The Technical and Economic Feasibility of Recovering Carbon Dioxide (CO₂ from the Atlantic LNG Company of Trinidad and Tobago Facility"*; (Student: Rajkumar, Vinod); Completed
2. *"Emissions Control Using Simulation at TTMC"*, (Student: Easahak, Imtiaz); Completed
3. *"Production Planning and Control-Managing Interdepartmental Interfaces"*; (Student: Wilson, Shellyanne); Completed.
4. *"An Application of Benchmarking to the Local Energy Industry"*; (Student: Bradshaw, Penelope); Completed.
5. *"A Review of Health, Safety and Environmental Management System"*; (Student: Maharaj, Davy); Completed.
6. *"Human Capacity Planning: To Develop an Aggregate Planning Strategy that can be used by my Department"*, (Student: Thomas, Reesa); Completed.
7. *"Identify the preferred characteristics of tassa sticks and develop a model (either mathematical or statistical) that relates the characteristics to the properties of these sticks"*, (Student: Ashish Ramsewak); Completed
8. *"The implementation of a facility program for the TATIL Building: A Case Study for the creation of a Maintenance Policy for the ANSA Group of Companies."* (Student: Lyndon Berkley); Completed

9. “Conversion of TSTT Tobago Operation – Network Maintenance into a Profit Center”; (Student: Giftor, Ceasar); Completed
10. *Project Management framework for Engineering, Procurement and construction industry*”; (Student: Winzey Bonair); Completed
11. “Computerizing Patient Information in Trinidad & Tobago”; (Student: Richarde Ramnath); Completed
12. *Improvement in Stability of Syngas Compressor Turbine Rotor at Tringen 2 NH3 Plant, Yara Trinidad Limited*”; (Student: Randolph Gobin); Completed
13. “The Introduction of RFID Technology at Angostura Group of Companies”; (Student: Amanda Khan); Completed
14. *Critical analysis on the Performance of BWRO Membranes in the Point Lisas Desalination Plant*”; (Student: Jeffery Chan); Completed
15. “A value proposition for state enterprises in Trinidad and Tobago to mitigate risks via contracts management”; (Student: Wade Ramcharan); Completed
16. *Assessing the effectiveness of emergency response plans: Case study- The National Oil Spill Contingency plan of Trinidad and Tobago*”; (Student: Shinel Granger); Completed
17. “A study on project portfolio management methodologies used by a maintenance contractor during project execution”; (Student: Sanjay Suchit); Completed
18. “Development and Application of Discrete Event Simulation (DES) modelling for Improving an Asphalt Plant Production”; (Student: Karlene Jones); Completed
19. “Determining if e-commerce can increase profits in small to medium enterprises (SMEs) in south Trinidad”; (Student: Roshini Seepersad)

MSc Occupational Health and Safety:

1. “Evaluating employee’s perception of managerial health and safety performance and how this affects employee organizational commitment (affective, continuance and normative commitment)” (Student: Kareem Gordon); Completed
2. “An assessment and comparison of the safety culture of two agricultural pack houses in Trinidad and Tobago Working at height: A study of the local construction industry”; (Student: Deneice Clarke); Completed.
3. “Safety and health in the gas sector of Trinidad and Tobago” ;(Student: Kimberly Dash); Completed.
4. “The development of a tailor-made sustainable health, safety and environment quality management system for a small multi-purpose port in Trinidad and Tobago”; (Student: Malinda Jagessar); Completed.
5. “An evaluation of critical risks associated with working on heights: A research project on Massy Energy”; (Student: Chandler Singh); Completed.
6. “Understanding Safety Culture through Leadership and Behavioral Safety-Human Factors”; (Student: Tracy-Ann Riley McLeod); Completed
7. “The impact of Safe to Work (STOW) initiative on the improvement of the safety performance of Contractor Companies who work in the Energy Sector in Trinidad and Tobago”; (Student: Zaheer Khan); Completed
8. “Perception of work, occupational stress and anxiety among young adult workers between 20-29 year in Northern Trinidad”; (Student: Danielle Hackshaw) Completed
9. “A study of the health and safety culture of an oil and gas industry. ”; (Student: Faye Sookwah); Completed
10. “An evaluation of the knowledge, attitudes and belief of occupational safety and health personnel towards Human Immunodeficiency Virus (HIV) and Acquired Immunodeficiency Syndrome (AIDS) intervention related practices in Trinidad”; (Student: Selina Browne); Completed

11. *“Examining the safety and health culture at the Trinidad and Tobago Electricity Commission”*; (Student: Hamlyn Dipnarine); Completed
12. *“Best in class” contractor safety culture & compliance for Neal & Massy Wood Group Ltd.*”; (Student: Marise Johncilla); Completed
13. *“Evaluation of the quality of OESH Management Systems in small and medium manufacturing enterprises targeted for development by the Government of Trinidad & Tobago”* (Student: Nicole Alexander); Completed
14. *“An evaluation of leases in the energy sector with regard to occupational safety and health compliance and practice in Trinidad and Tobago”*; (Student: Ruth Miguel-Alleyne); Completed

MSc. Project Management

1. *“The Next Generation Network (NGN) Project Implementation and its Impact within TSTT and Trinidad and Tobago”*; (Student: Audric Blake); Completed
2. *“Leveraging Project Management Capability into a Key Competitive Advantage: A Case Study”*; (Student Riaz Mohammed); Completed
3. *“Successfully Implementing E-Government Systems in Trinidad and Tobago”*; (Student: Tracey Edwards); Completed
4. *“The Development of a Project Management Methodology for the Upgrading of Student Computer Labs in the Faculty of Science and Agriculture”*; (Student: Sean Maloney); Completed
5. *“Impact of an Enterprise Project Management System on ITTL’s Project Management Maturity Model”*; (Student: Alisha Bertrand); Completed
6. *“Local Information Communication Technology Infrastructure: Its Impact on Global Competitiveness in Trinidad and Tobago”*; (Student: Curtis Seegobin); Completed
7. *“Utilizing the Design Structure Matrix in the Design Phase of the Development of Educational Software”*; (Student: Mark Baldeo); Completed
8. *“An Investigation into the Implementation, Running and Sustainability of a High Performance Computing Centre in the Republic of Trinidad and Tobago and by Extension to other Caribbean Countries”*; (Student: Naresh Seegobin); Completed
9. *“A Proposed Framework for Implementation of Expense Projects in Project System in SAP Environment at BPTT”*; (Student: Thecia Boisson-mack); Completed
10. *“An Investigation into the Knowledge Transfer Process Required for the Development of Potential Successors for Succession Planning at a Private Company in Trinidad and Tobago”*; (Student: Hermosura Lutchman); Completed
11. *“Strengthening of the Monitoring and Evaluation (M&E) System for Development Projects Undertaken by the Trinidad and Tobago Bureau of Standards”*; (Student: Felicia Thomas); Completed
12. *“Project Closure Report: The Implementation of the ISO 9001: 2008 Standards at the Guyana Geology & Mines Commission”*; (Student: Melissa George); Completed
13. *“Electronic Document Management System (EDMS): A Proposal”*; (Student: Aneal Giddings); Completed
14. *“The 2011-2013 Floods in Western Trinidad: A Case Study of Vulnerability, Resilience and Risk Construction”*; (Student: Andre Johnson); Completed
15. *“A Project to Upgrade and Re-Design the Bartending Curriculum at the Trinidad and Tobago Hospitality and Tourism Institute (THTI)”*; (Student: Rakesh Madoo); Completed

16. *“The Design & development of a Vertical Greenhouse Farming System for the Cultivation of Lettuce in Tobago”*; (Student: Jaiye Melville); Completed
17. *“Development of a Project Management Office for the Improved Success Rate of Infrastructure Works in the National Energy Skills Center (NESC)”*; (Student: Keisha Ramsoondar); Completed
18. *“An Inquiry into the Computer Server and VM Sprawl Problems at Major Commercial Banks in Trinidad and Tobago”*; (Student: Bruce Sanchez); Completed
19. *“Religion and Project Management: Exploring the use of Project Management Methodologies and Tools within some of Trinidad and Tobago’s Faith Based Organizations with the aim to improve upon the success rate of the Community Outreach Programme of a Pentecostal Church”*; (Student: Tizah Clarke); Completed
20. *“Evolution of the Project Management Office at National Flour Mills”*; (Student: Abeni James); Completed
21. *“A Project Review of Information Communication Technology: A Case Study of Providence Girls Catholic School”*; (Student: Lydia Lewis); Completed
22. *“Wireless Internet Access for a Rural School: A Case Study”*; (Student: Naresh Seegobin); Completed
23. *“A Study to Develop an Approach for Implementing a Facility Management (FM) Helpdesk at the Central Bank of Trinidad & Tobago (CBTT)”*; (Student: Denzil Jofield); Completed
24. *“Assessment and Development of a Maintenance Central Planning Office for a Chemical Manufacturing Complex”*; (Student: David Ramcharan); Completed
25. *“Utilizing a Mixed Methods Investigation to help bridge the generation gap in Project Management”*; (Student: Gerard Ramnarine); Completed
26. *“A Feasibility Study for the Expansion of Harvest 2 Home Premium Produce Operations to Include the Export of Fresh Produce from Trinidad and Tobago to the St. Lucia Market”*; (Student: Akeel Thomas); Completed
27. *“A Study to Assess the Applicability of Project Portfolio Management at the Campus Information Technology Services Department at the University of the West Indies, St. Augustine Campus”*; (Student: Akeem Deare); Completed
28. *“Development of a Standard Change Management Process for Brownfield Projects”*; (Student: Joel Guness); Completed
29. *“A Feasibility Study to Determine the University of the West Indies’ Readiness to offer on-line Distance Programmes”*; (Student: Fanovich, Souzanne); Completed
30. *Feasibility Study on Electronic Ticketing System in Public Transport Service to determine its use in Public Transport Service Corporation (PTSC) within Trinidad and Tobago.”* (Student: Clint Porter); Completed
31. *“Disaster Recovery Plan for the Information Technology Department of the Guyana Revenue Authority.”* (Student: Yoganand Singh); Completed
32. *“Balanced Scorecards in the Fast Food Industry – A Case Study.”*; (Student: Cathy-Jo Noel)
33. *“The Strengthening of the Institutional Capacity of the Registrar General’s Department, to efficiently and effectively register property in Trinidad and Tobago.”* (student: Youland Robinson); Completed
34. *“Information Technology Projects in the Central Bank of Trinidad and Tobago.”* (Student: Lisa Chambers-Quintyne); Completed
35. *“Delivery of Quality Education: Integrating ICT in the Classroom.”* (Student: Alice Thomas-Martin); Completed

36. "A study of the Feasibility of the Introduction of Mobile Electronic Payment Services in Trinidad and Tobago." (Student: Krystelle Rosse); Completed

Work Experience

2016 – Present - Chief Examiner: Industrial Technology

Caribbean Examination Council

- Paper Setting
- Paper Marking
- Training
- Supervising

2013 – Present – Program Coordinator: MSc. Project Management

Office of the Dean of Engineering

The University of the West Indies, St. Augustine

- Curriculum
- Initiated the Accreditation Process

2010-2016 - Assistance Chief Examiner:

Caribbean Examination Council

- Paper Setting
- Curriculum
- Review

1999-Present - Lecturer in Industrial Engineering

Department of Mechanical Engineering

The University of the West Indies, St. Augustine

(See Teaching Listed above)

1998-1999 - Development Engineer

Department of Mechanical Engineering

The University of the West Indies, St. Augustine

- Management Consultancy; CARIB Glassworks
- Project of Ministry of Transportation; Automobile assessment system

1996-1998 - Graduate Assistant

Department of Mechanical Engineering

The University of the West Indies, St. Augustine

- Tutor Engineering Dynamics,
- Tutor Computer Applications in Engineering

1990-1995 - Industrial Engineer/Assistant to the General Manager of Operations

National Flour Mills Limited

- Investigate Production and Operations problems in Flour, Rice and Soap Milling process
- Supervise the Engineering Workshop

- Monitor the Divisions' activities with relation to the Companies Strategic Plan

1989-1990 - Junior Professional

National Institute for Higher Education Research, Science and Technology

- Design and Construct Science Exhibitions for the YAPOLLO project, now the National Science Center

Professional Membership

Since Current Grade (#number) Professional Bodies

2003 Member (41596678) Institute of Electrical and Electronics Engineers, USA

2009 Member (880082913) Institute of Industrial Engineers, USA

2009 Member (65551) American Society of Engineering Educators

Scholarly/Professional Services & Consultancy

(i) Scholarly Services

1. Conference Organizing Committees/Chairs

- Member, Organising Committee, *APETT's 17th Annual Technical Conference on Asset Management and Maintenance Engineering*, The Association of Professional Engineers of Trinidad and Tobago/The University of the West Indies, St Augustine, Trinidad, March 11-12, 2004
- Member, Organising Committee, *APETT's 18th Annual Technical Conference on Engineering Infrastructure, Planning and Development for Disaster Preparedness*, The Association of Professional Engineers of Trinidad and Tobago/The University of the West Indies, St Augustine
- Member of the University Committee on Intellectual Property assessment.

(ii) Professional Services

1. The Institute of Electrical and Electronics Engineers

The IEEE Trinidad and Tobago Section (Region 9)

- Hon Secretary, Executive Committee, The Technology Management Council Chapter, T&T Subsection (2006 - present)
- Chairman, Education Society (2006 – Present)

2. Member of the Advisory Committee for the Creative Industries (2018- Present)

3. Member of the Board of Governors: National Institute of Higher Education Research Science and Technology; Chair of the Operations Committee (2017 – Present)

4. Member of the National Productivity Council of Trinidad and Tobago: Ministry of Labor, Small and Micro Enterprises (2017 – Present)

5. **Facilitator/ Master of Ceremony Project Management Seminars (2009 – Present)**
6. **Facilitator/Master of Ceremony: Technology and Curriculum Series (Bi-Annual Seminar) 2010- Present**
7. **Invited-Member of the Technical Committee for the development of the National Knowledge and Learning Network (2010)**
8. **Environmental Management Agency Volunteer**
9. **Member of the Board of Directors of Ellison’s Educational Academy (1998-2014)**
10. **Member of the Board of Directors of Veni Apwann (2016-2017)**

(iii) Short Courses (Continuing Engineering Education)

1. Project Management; For Industry
2. Project Management; For NIHERST
3. Project Management; Human Resource Managers (Chief Personnel Officer)
4. Project Management; Ministry of Social Development
5. Business Process Re-Engineering; for the National Insurance Board
6. Business Process Mapping: Institute of Critical Thinking/NIHERST
7. Productivity Improvement: Institute of Critical Thinking
8. Project Management; CARDI

Prizes and Awards

(i) Honours and Awards Received

Special Additional Scholarship – 1986 Government of Trinidad and Tobago.
 Commonwealth Scholarship – 1993 British Council
 Prime Minister’s Award for Scientific Ingenuity (2013/14): Winner of the Creative Solutions Category.

(ii) Supervision of Student Projects Winning Awards

- Certificate of Appreciation, The Engineering Management Final-year Students’ Project Competition 2003/04 - IEEE Trinidad and Tobago Subsection/Faculty of Engineering, The University of the West Indies, Trinidad and Tobago (*Student: Marsha M Smith.; No.01732158*)
- The Institute of Industrial Engineers: Mobile Application Development Competition 2012/13. IIE (Dominic Gordon)

(iii) Student Award for Outstanding Undergraduate Teaching in Industrial Engineering (2009)

(iv) Winner of the Creative Solutions Category of the Prime Minister’s Awards for Scientific Ingenuity 2013

(v) Grants Received and Projects Undertaken

- Green Intensive Farming Technologies (\$120,000 USD), through the APP Project (2016)
- UNGEF SGP: Cashew Gardens Hydroponic and Protected Agriculture System (\$340,000 TTD) in collaboration with Habitat for Humanity (2018)

Personal Interests/Hobbies

Cooking, Carnival Costume Design and Production, Urban Farming System Design and Implementation, Permaculture Systems Design, Swimming, Snorkeling, Hiking, Camping Outdoors, Basketball.

Referees

Professor Prakash Persad (PhD.
Supervisor)

University of Trinidad and Tobago
Lots # 74-98 O'Meara Industrial Park,
Arima., Trinidad W.I.
Phone (868) 642 8888
Email: prakash.persad@utt.edu.tt

Professor Kit Fai Pun (Work Colleague)

Professor of Industrial Engineering
The University of the West Indies
St. Augustine, Trinidad, W.I.
Phone (868) 662 2002
Email: kfpun@sta.uwi.edu

Professor Clement Imbert

Emeritus Professor; Department of
Mechanical and Manufacturing Engineering
University of the West Indies
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Cheryl Edwards

General Manager Operations
National Flour Mills Limited
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