

**The Third  
Industrial Engineering and Management Conference 2014  
(IEM3-2014)  
5th-6th December 2014**

**Faculty of Engineering, The University of the West Indies, St Augustine Campus,  
Trinidad and Tobago, West Indies**

In today's dynamic world, a new piece of legislation, market imperatives, management initiatives and new technology create projects that need to be managed, often across departmental or disciplinary lines. Project Engineering/Management is a core discipline of Industrial Engineering and Management (IEM) that can bring significant benefits to business/engineering organisations

The Third Industrial Engineering and Management Conference 2014 (IEM3-2014) will be held at the Faculty of Engineering of The University of the West Indies (UWI), St Augustine, Trinidad and Tobago on 5th-6th December, 2014. In keeping with the past two IEM Conferences in 2006 and 2010, the theme of the 2014 Conference is "The Challenges of Project Engineering and Management in a Sustainable World". It aims to advance the theory and practice of industrial engineering and management, and to identify recent developments and major challenges in meeting the diverse needs of the Caribbean region. There are 6 Sub-theme/Sub-groups based on the major industry sectors as follows:

- Energy Industry Sectors
- Construction Industry Sectors
- Manufacturing Industry Sectors
- Utility Industry Sectors
- Government and Public Sectors
- Service Industry Sectors (including engineering services, educational services and consultancy, etc)

IEM2014 invites papers for presentation, and suggested topics of interests which fall into two groups, 1) Traditional IEM areas and 2) Project management (PM) Focus. These include but are not limited to:

**1) Traditional IEM Areas:**

- Agile and Lean Manufacturing
- Automation and Intelligent Systems
- Behavioural Science
- Benchmarking of Management Practices
- Business Collaboration and Strategy
- Business Process Re-engineering and Mapping
- Control Systems Technology
- e-Operations and e-Manufacturing
- IE Education and Training
- Emerging Technologies in IE
- Engineering Economics, Accounting and Financial Management
- Engineering Maintenance (e.g., CM, PM, PdM, TPM, RCM, CMMS) and Asset Management
- Engineering Management
- Industrial Database Systems and Design
- Industrial Instrumentation
- Industrial Marketing and Practices
- Knowledge Management and Engineering
- Logistics and Supply Chain Management
- Operations Research
- Optimisation Analysis and Applications
- Performance tools and Balance Scorecard
- Plant Layout and Materials Handling
- Production/Operations Planning and Control
- Quality Control and Reliability Engineering
- Risk Analysis and Management
- Robotics and Human-Machine Interaction
- Engineering R&D and Innovation
- Safety, Health and Hygiene Management
- Simulation of Industrial/Business Processes
- Six Sigma and Applications (including Lean Six Sigma Manufacturing (LSS))
- Service Engineering
- Systems Engineering and Engineering Systems
- Total Quality Management
- Work Study and Ergonomics

**2) Areas of Project management Focus:**

- Challenges of Project Management/ Engineering in Developing Countries
- Contract Management and Law for Project Managers and Practitioners
- Engineering Projects Involving Industry Interaction/Collaboration
- Ethics for the Project Managers and Practitioners
- International Standards and Project Management Practices
- Integrating Project Management with Knowledge Management
- Managing Information Technology Projects
- Managing Projects for Sustainable Development
- Managing Financial Risks and Regulatory Compliance of Projects
- Managing Projects in SMEs vs Large Organisations
- Natural Hazard Impact Mitigation and Preparedness
- Procurement, Logistics and Contracting Aspects in Projects
- Project Cost Estimating and Control
- Project Management Body of Knowledge and Guide
- Project Management Information Systems and Design
- Standards for Project Management Practices (e.g. BS 6079, ISO 10006)
- Risk Management for Project Managers and Practitioners
- Strategic Project Planning and Implementation
- Value Engineering and Management in Projects

The conference provides a forum for academics, researchers and practitioners to exchange ideas, to facilitate a region-wide awareness of IEM competence and the use of various IEM concepts, models and tools that support companies and organisations to become more successful in the emerging CARICOM context.

**Important Dates:**

- Abstract/Paper Submission: Monday 1st September 2014
- Acceptance of Abstracts/Papers: Monday 15th September 2014
- Final Manuscript Submission: Monday 10th November 2014

Original abstracts and papers relevant to the Conference theme and IEM areas are invited. Extended abstracts (not more than 300 words) and full papers in English should be sent via e-mail <KitFai.Pun@sta.uwi.edu> or fax (868) 662 4414 (Attn: Prof. K.F. Pun). Each submission will be reviewed for technical merit and content. Papers accepted for presentation will appear in the Conference Proceedings provided that at least one author registers for the conference. Proposals for special sessions, tutorials or workshops are also welcome. Maximum length for each accepted paper in the Proceedings is of 8 single-spaced pages. Strong papers would be recommended for a fast track publication subject to review in *The West Indian Journal of Engineering* (ISSN 0511-5728) and *The Journal of Professional Engineers of Trinidad and Tobago* (ISSN 1000 7924)

**Registration Fees:**

- Authors\*/Participants: US\$ 100 per person
- Student Authors\*/Participants: US\$ 50 per person

\* - Presenting Author's registration fees might be waived subject to condition.

\* - Participants and presenters could grant 5 PDUs and 10 PDUs respectively subject to the approval from the Joint APETT/BOETT CPD Committee.

**Conference Web Site:** For latest and additional information, visit [www.IEM2014.uwi.edu](http://www.IEM2014.uwi.edu) (in preparation)

**Organiser:** Industrial Engineering & Management Group, Department of Mechanical and Manufacturing Engineering,  
Faculty of Engineering, The University of West Indies, Trinidad and Tobago, West Indies

**Co-organisers and Sponsors:**

- The Association of Professional Engineers of Trinidad and Tobago (APETT)
- The Board of Engineering of Trinidad and Tobago (BOETT)
- The Council of Caribbean Engineering Organisations (CCEO)
- The Education Society (EdS) Chapter of the IEEE T&T Section
- The Industrial Engineers of the Caribbean (IEC – IIE Chapter)
- The Institution of Engineering and Technology (IET) – Trinidad and Tobago Chapter
- The Mechanical and Manufacturing Enterprise Research Centre (MMERC)
- The Project Management Institute South Caribbean Chapter (PMISCC) (*Awaiting Confirmation*)
- The Technology Management Council (TMC) Chapter of the IEEE T&T Section
- The UWI Project Management Alumni Association (UWIPMA) (*Awaiting Confirmation*)
- The Water and Sewerage Authority of Trinidad and Tobago (WASA) (*Awaiting Confirmation*)

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**ABOUT The University of the West Indies, St Augustine, Trinidad**

The University has expanded to four campuses that serve diverse communities across the Caribbean region - Cave Hill in Barbados, St. Augustine in Trinidad and Tobago, Mona in Jamaica and the Open Campus - all of which deliver high-quality education, research and services to all 15 contributing countries that support the University, as well as the Turks & Caicos Islands. The University of the West Indies currently has a total enrolment of over 40,000 students and graduates annually approximately 6,000 students (at undergraduate, graduate and diploma levels).

**For Conference Enquiries and Registration:**

Eng. Prof. Kit Fai Pun and Dr. Ruel L.A. Ellis, c/o Faculty of Engineering, UWI, St Augustine Campus, T&T

Fax: (868) 662 4414; E-mails: KitFai.Pun@sta.uwi.edu; Ruel.Ellis@sta.uwi.edu