



Society of Tribologists
and Lubrication Engineers
CARIBBEAN REGION SECTION

**7TH ANNUAL TRIBOLOGY
CONFERENCE,
EDUCATION COURSE AND
YOUNG ENGINEERS' FORUM**

**MARCH 17TH – 20TH 2008
CARA SUITES HOTEL &
CONFERENCE CENTER**

**“MANAGING DIVERSITY FOR
EXCELLENCE”**



Society of Tribologists
and Lubrication Engineers

HISTORY OF THE SOCIETY OF TRIBOLOGISTS AND LUBRICATION ENGINEERS - CARIBBEAN SECTION

STLE is a not for profit organization founded in the year 1944 to advance the Knowledge and Application of the Science of Tribology and Lubrication Engineering. STLE comprises of 5,000 individuals and 170 Industrial or Corporate Members within 50 sections worldwide. These members represent Interdisciplinary Technical Professionals from Industries, Academic Institutions and Government Organizations and Private Companies to include Engineers- Mechanical, Chemical, Preventative Maintenance, Vibration Technicians, Scientists, Condition Monitoring Analyst and Professors and Research Personnel.

The Caribbean Section of STLE was launched on September 15th 2001 in Trinidad and Tobago at the Crowne Plaza Hotel with attendance of 100 persons from the energy and non-energy sectors (i.e. oil, energy, manufacturing, oil servicing companies and suppliers of condition monitoring and oil testing and vibration equipment and supplies.

ACHIEVEMENTS

- 2003 Conference, Education Course, Trade Exhibition and Young Engineers' Forum Hilton, Trinidad focused on Condition Monitoring and Oil Analysis and Vibration Analysis for Equipment Reliability. The Honourable Prime Minister, Mr. Patrick Manning and Minister of Energy attended.
- 2004 Conference, Hilton, Trinidad focused on Asset, Plant and Equipment Reliability on Bearings and Seals. Dr. Jim Lee Young, President of the South Chamber of Commerce delivered the feature address.
- 2005 Conference, Hilton, Trinidad presented on Excellence in Maintenance and Troubleshooting of Gas Turbines and Gas Compressors. Attended by the Minister of Energy, The Honourable Mr. Eric Williams.
- 2006 Conference, Cara Suites Hotel and Conference Centre - Oil and Vibration Analysis focused on continuing education, His Excellency the President of the Republic of Trinidad and Tobago attended.
- 2007 Conference, Cara Suites Hotel and Conference Centre - "Sustaining Production Flows through Pumps and Motors". The Honourable Mustapha Abdul Hamid, Minister in the Ministry of Tertiary Education attended.
- Signed a Memorandum of Understanding with the University of the West Indies, St. Augustine Campus to sponsor a bursary for an M.Phil Programme in Tribology and Lubrication Engineering on an annual basis to the sum of TT\$20,000.00
- OMA and CLS Certification courses are held in Trinidad in collaboration with STLE International 2004 - 2008.



ACHIEVEMENTS CONTINUED

- All courses offered by STLE Caribbean are hosted jointly with the Engineering Department, University of the West Indies, St. Augustine Campus with (CEU) Continuing Education Units recognized by the UWI and STLE International.
- STLE Caribbean has supported its corporate initiative through various donations of books and grants to schools, provision of career guidance workshops, utilizing the skills of its members and volunteers in support of educational development throughout Trinidad and Tobago. Some of the recipients include:
 - San Fernando TML Primary
 - Brothers' Anglican Primary
 - Moruga Composite School
 - Lengua Islamia Primary
 - Tunapuna Government Secondary
 - Rio Claro Senior Comprehensive
 - Reece Road ASJA Primary
 - Rampanalgas RC Primary
 - Naparima Girls' High School
 - Yorkshire Club
 - UWI St. Augustine Campus Library
 - Trinidad and Tobago Cricket Centre

Presently STLE Caribbean Membership has 114 members comprising Employees from the Energy and Non-Energy Sectors. Our objective is to define the importance of STLE and Tribology to the Caribbean Region - particularly in the fields of Mechanical Engineering, Lubrication, Oil Analysis, Condition Monitoring, Preventative Maintenance for equipment reliability and awareness of protection of the environment through safe practices and methods.

Through our various Education Courses 50 new members are gained annually with renewal of 25%. A one-year membership in STLE is given within our package for Attendees to the Education Course.

The 2008 EDUCATION COURSE will be centered on **Condition Base Maintenance: Lube Oil Analysis** which be held from March 18th – 20th 2008 at the Cara Suites Hotel & Conference Centre.

STLE's Caribbean Section believes that our education courses and certification programs enhance persons working within energy industries and manufacturing sectors to become marketable and an asset to their organizations. In addition the Educational Courses focuses on Increasing Plant Efficiencies and Productivity with solutions to reducing energy losses, increasing safety and professional networking.

STLE's Mission - is to advance the Science of Tribology and the Practice of Lubrication Engineering in order to foster Innovation, improve the Performance of Equipment and Products, conserve Resources and Protect the Environment.

STLE's Vision - is to be the premier Technical Society in Tribology, Lubrication and related Science. STLE will strive to provide members and volunteers with the Best Education, Cost Effective Programs, Publication, Certification and Service.

Tribology - is the Science of Wear, Friction and Lubrication Engineering as it relates to moving particulars.

PROGRAMME

| | |
|-------------------|--|
| 9.00 AM – 9.30 AM | WELCOME OF GUESTS |
| 9.30 AM | GREETING AND ARRIVAL OF DIGNITARIES |
| 9.35 AM | NATIONAL ANTHEM |
| 9.40 AM | INTRO. OF THE MASTER OF CEREMONIES: MS. SHARLEEN MANSWELL-TAYLOR |
| 9.45 AM | <u>OPENING REMARKS:</u> MR. KEVIN MOTILAL, CHAIRMAN, STLE CARIBBEAN |
| 9.55 AM | <u>GREETINGS:</u> MR. EDWARD P. SALEK, EXECUTIVE DIRECTOR STLE INTERNATIONAL, CHICAGO IL. |
| 10.05 AM | <u>ADDRESS:</u> PROF. CHANAN S. SYAN, PRODUCTION ENG. AND MANAGEMENT DEPARTMENT, UWI, AND TOPIC: <i>“MANAGING DIVERSITY FOR EXCELLENCE”</i> |
| 10.15 AM | <u>ADDRESS:</u> MR. KUARLAL S. RAMPERSAD <i>“STLE’S ROLE WITHIN THE CARIBBEAN REGION AND INTERNATIONALLY ON EMISSION CONTROL”</i> |
| 10: 30 AM | <u>BOOK LAUNCH</u> <i>“Basic Guide to Health and Safety at Home and at the Workplace”</i> Author: Mr. Kuarlal S. Rampersad |
| 10.40 AM | <u>FEATURE ADDRESS:</u> HONOURABLE MINISTER OF PLANNING, HOUSING & THE ENVIRONMENT, DR. EMILY DICK-FORD <i>“CONTROL OF EMISSIONS WITHIN THE CARIBBEAN REGION”</i> |

11.15 AM - PRESENTATION OF AWARDS
Presentation of TOKENS

Presenter

| | |
|--|-----------------------|
| Senator Dr. the Honourable Emily Dick-Ford | Mr. Kuarlal Rampersad |
| Professor Chanan S. Syan | Mr. Edward P. Salek |
| Mr. Edward P. Salek | Mr. Kevin Motilal |
| Mr. Kevin Motilal | Mr. Vikash Rajnauth |
| Mr. Kuarlal Rampersad | Mr. Edward P. Salek |
| Mrs. Sharlene Manswell-Taylor | Mr. Haffiz Yathali |

PROGRAMME

PRESENTATION OF AWARDS *Continued...*

Award

Annual Scholar Bursary Award - \$20,000

Presenters

Senator Dr. the Hon. Emily Dick-Ford Jointly handing over the cheque to Prof. Syan, with Prof. Sankat, Mr. Salek and Mr. Rampersad

Special Honoured Guest Presentation

Sir George Alleyne
For outstanding educational development within the Caribbean Region

Mr. Kuarlal Rampersad

Special Award:

Professor Clement K. Sankat

Mr. Kevin Motilal

STLE Caribbean, Chairman's Award

Ms. Shereezah J. Rampersad

Mr. Kuarlal Rampersad

Company Awards

Caribbean Analytical Services Limited

Mr. Edward P. Salek

Professor Clement K. Sankat Award

Recipient: Marc Anthony Richards

Professor Clement K. Sankat

OUTREACH VOLUNTEER CONTRIBUTION

Cunjil Village Council

Mr. Salek & Mr. Rampersad

11.45 AM

CLOSING REMARKS & VOTE OF THANKS

Ms. Joan Rampersad, Social Events Chairman,
STLE CARIBBEAN

11.50 AM

GROUP PHOTOGRAPHS

- Members of the Head Table & STLE EXECUTIVES
- Representatives of UWI, & STLE EXECUTIVES
- Chancellor, Professor Sankat, Members of the Head Table & STLE EXECUTIVES

LUNCH

- Served in Jacana (Upstairs of the Ballroom)

YOUNG ENGINEERS' FORUM PROGRAMME

1.15 PM

WELCOME AND OPENING REMARKS
Mr. Haffiz Yathali, Vice Chairman STLE
Caribbean

Presentations by Young Engineers **UWI ST. AUGUSTINE CAMPUS**

| Name | Project title |
|---------------------|---|
| 1.Soncha Sargeant | Condition Based Monitoring – wear debris and lubrication analysis |
| 2. Neisha Dipnarine | The Effect of Residual Stress on the Acoustic Behaviour of Steel |
| 3.Candice Watson | Feasibility study of the harnessing wave energy in Trinidad and Tobago |
| 4.Saara Hosein | Remote Control Weather Balloon |
| 5.Lianna Roopnarine | The design and investigation of the computer control system for an existing pneumatic vibration isolator using a proportional valve |

YOUNG ENGINEERS' FORUM PROGRAMME

Presentations by Young Engineers continued...

| | |
|----------------------|--|
| 6.Timothy Dean | To design, build and evaluate an automatic vibration absorber |
| 7.Denny Raymond | Measurement and reduction of aerodynamic drag on vehicles |
| 8.Kern Baptiste | Design of a trunk(oil) pipeline system |
| 9.Melissa Ramkissoon | To investigate the outlet piping failure of the GOT overhead condensers to the reflex drum in the No. 4 VOU at Petrotrin(Point –a- Pierre) |
| 10.Jeriel Budhoo | To model the reformer operating conditions at the M4 plant to develop a tube temperature – operating condition relationship |

Presentation of tokens & Special Awards

3.30 PM

CLOSING REMARKS & VOTE OF THANKS

Mr. Vikash Rajnauth, Executive Council Chairman

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Special Recognition

- **TOSL ENGINEERING LIMITED**
- **CARIBBEAN ANALYTICAL SERVICES LIMITED**
- **STLE INTERNATIONAL HEADQUARTERS**
- **UNIVERSITY OF THE WEST INDIES, ST. AUGUSTINE CAMPUS**
- **OFFICE OF THE PRINCIPAL, UNIVERSITY OF THE WEST INDIES**
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- **MANAGEMENT AND STAFF OF CARA SUITES HOTEL & CONFERENCE CENTER**