

# Annotated Curriculum Vitae

*Last updated September 2010*

## PERSONAL DATA

**NAME** : **MARTIN ST. CLAIR FORDE**

**AGE** : 42

**MARITAL STATUS** : Married

**CITIZENSHIP** : Trinidad & Tobago

**LANGUAGE** : English

**CURRENT MAILING ADDRESS** : Department of Public Health & Preventive Medicine  
St. George's University  
P.O. Box 7  
University Centre  
St. George's  
Grenada, W.I.

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**CERTIFICATIONS** : Registered Engineer (R. Eng), Trinidad and Tobago  
Registered Engineer (R. Eng), Grenada

**CURRENT OCCUPATION** : **Professor**  
Environmental and Occupational Health  
Department of Public Health & Preventive Medicine  
School of Medicine  
St. George's University  
P.O. Box 7  
St. George's  
Grenada, W.I.

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**EDUCATION**
**University Education**

- 2009/10**     **Harvard University School of Public Health**  
**Master of Science (SM)** in Environmental Health Management.
- 1996/00**     **University of Massachusetts Lowell (UMASS Lowell)**  
**Doctor of Science (Sc.D.)** majoring in Occupational Ergonomics with minors in Epidemiology and Work Physiology. Doctoral thesis title: “*Musculoskeletal disorders, ergonomic exposures, and construction ironwork.*”
- 1992/94**     **Technical University of Nova Scotia (subsumed into Dalhousie University)**  
**Master of Applied Science (M.A.Sc.)** in Industrial Engineering majoring in Ergonomics. Master thesis title: “*Isometric Push-up and Pull-down Strength Profiles in Workspace Reach Envelopes of Paraplegics.*” This research study involved measuring and recording the arm strength of paraplegics and determining how they related to specific workspace envelopes.
- 1987/90**     **University of the West Indies (UWI)**  
**B.Sc. Industrial Engineering** (Upper Second Class Honors). Was awarded the *Faculty of Engineering Prize* for obtaining the highest mark among final year (Year III) graduating Industrial Engineering students. Was awarded the *J.A. Buzacott Prize* for obtaining the 2<sup>nd</sup> highest mark among Year II Industrial Engineering students.

**Other Education Courses/Workshops Taken**

- 2010**     *Program Evaluation*, 2-week course, CDC, Atlanta, Georgia, U.S., January 4 - 15, 2010.
- 2008**     *Environmental Management*, Diploma, Galille College, Israel, September 4 -22, 2008.
- 2008**     *5<sup>th</sup> Summer Institute for New Global Health Researchers*, Canadian Coalition for Global Health Research, July 15-23, 2008, Duncan, British Columbia, Canada.
- 2007**     *Guidelines for Laboratory Design: Health and Safety Considerations*, Harvard School of Public Health, May 14-18, Boston, MA.
- 2006**     *Management Skills for Emerging Leaders in Environmental Health and Safety*, July 12-14, Harvard School of Public Health, Boston, MA.
- 2003**     *Comprehensive Industrial Hygiene Review Course*, Michigan, July 28-August 1, 2003.
- 1998/99**     Courses taken in (i) *Graphics for Multimedia*, (ii) *Introduction to PageMill*, (iii) *Web Authoring: Modular Course in HTML*, (iv) *Digital Imaging & Photography*, and (v) *Graphics for Multimedia and the WWW*. All courses taken at UMASS Lowell, Division of Continuing Education, Lowell, MA.

- 1995** *Management of Information Systems*, 10-week certificate course, UWI School of Continuing Studies, Trinidad.
- 1993** *AutoCAD Level I*, 12-week certificate course, Technical University of Nova Scotia, Canada.
- 1990** *Supervisory Management*, 1-week certificate course, T&T Management Development Centre, Trinidad.

## PROFESSIONAL AFFILIATIONS

- 2007 -** Research Fellow, Windward Islands Research & Education Foundation (WINDREF), St. George's University
- 2004 -** Registered Engineer (R. Eng.), Grenada Institute of Professional Engineers, Grenada.
- 2003-** **Charter Member**, Heart and Lung Organization of Grenada (HALOG)
- 2002 -** **Member**, Caribbean Water and Wastewater Association (CWWA)
- 2000 -** **Member**, Grenada Public Health Association (GPHA)
- 1999 -** **Member**, American Public Health Association (APHA), Occupational Health and Safety Special Primary Interest Group.
- 1999 -** **Member**, International Society for Occupational Ergonomics & Safety.
- 1998 - 00** **Member**, Human Factors and Ergonomics Society (*inactive*)
- 1996 -** **Registered Engineer (R. Eng.)**, Board of Engineering of Trinidad and Tobago.
- 1994 - 96** **Associate Member**, Institute of Industrial Engineers (*inactive*)
- 1990 -** **Member**, Association of Professional Engineers of Trinidad and Tobago (APETT).

## AWARDS AND PRIZES

- 2009** Awarded the 'Most Animated Lecturer' award by the *Public Health Student Association*.
- 2007** Awarded the 'Most Entertaining/Funniest Professor' award by the *Public Health Student Association*.
- 2006** Awarded the following four awards by the *Public Health Student Association*: (i) Best Lecturer, (ii) Most Knowledgeable Professor, (iii) Best All-Round Professor, and (iv) 'Best Stories' Professor.
- 2005** Awarded the 'Most Entertaining/Funniest Professor' award by the *Public Health Student Association*.
- 2004** Awarded the following three awards by the *Public Health Student Association*: (i) Best Lecturer, (ii) Most Humorous and Entertaining Professor, and (iii) Best All-Round Professor.
- 2003** Awarded the following three awards by the *Public Health Student Association*: (i) Best Lecturer, (ii) Most Motivating Professor, and (iii) Most Respectable Professor.
- 2001** Awarded the *Lorin E. Kerr Award* by the Department of Work Environment, University of Massachusetts Lowell for excellence in research in occupational ergonomics. This award is given only in years when there is a candidate judged meritorious by the faculty. (*Lorin Kerr (1909 -1991) was a life-long activist and served for over 40 years as a physician for the United Mine Workers. He was dedicated to improving coal miners' and other workers' access to care, and to attaining black lung disease compensation and prevention.*)
- 1999** Awarded one of two Occupational Health and Safety Section *James P. Keogh Memorial Scholarships* to attend and participate in the 127<sup>th</sup> Annual American Public Health Association Meeting (November 7-11, 1999, Chicago, Illinois)
- 1999** Selected by the Dean of the College of Engineering as the *College of Engineering's Most Outstanding*

*Doctoral Student for 1999.* Each year, the Dean of Engineering selects a candidate from one of the six Departments in the College to represent Engineering in the university-wide competition.

- 1999** Selected by the Department of Work Environment as the *Department of Work Environment's Most Outstanding Doctoral Student for 1999.* Each year, the faculty of each department selects one doctoral student who they think has been the most outstanding doctoral student to receive this award from the Graduate School.
- 1997** Awarded one of 10 available *LASPAU* Trustees' Fund grants (US\$300) to cover expenses related to doctoral research activities.
- 1996/98** Awarded a two-year *Fulbright/LASPAU Scholarship.* Within Trinidad, the Fulbright scholarship is typically awarded to only one person per year based on the recommendation of the US Information Agency which interviews all applicants.
- 1996** Awarded a full *Commonwealth Scholarship* by the UK government. This scholarship is awarded annually to 3 or 4 citizens of Trinidad and Tobago based on the recommendations of the Government of Trinidad and Tobago. Competition for these scholarships are extremely intense with hundreds of applicants vying each year for the few scholarships awarded. (I subsequently turned down this scholarship in order to take up the Fulbright/LASPAU Scholarship).
- 1992/94** Awarded a two-year *Research Grant* from Department of Industrial Engineering, Technical University of Nova Scotia to pursue a Masters of Applied Science degree (M.A.Sc.).
- 1990** Awarded *The University of the West Indies Faculty Prize* for obtaining the highest mark for Year III (final year) graduating Industrial Engineering class. (The Industrial Engineering undergraduate program at UWI is currently a 3-year degree program).
- 1989** Awarded the *J.A. Buzacott Bursary* for being the Year II Industrial Engineering student who places 2nd in Industrial Engineering.
- 1985** Awarded the *Zonal Merit Award for Debating Competition* for being the top debater in the East Zone of the Trintoc National Schools Debating Competition, Trinidad. W.I.
- 1985** Awarded *1st Prize and Overall Winner of Public Speaking Contest*, Hillview College, Trinidad.
- 1984** Awarded *Old Boy's Association of Hillview College Prize for Best Overall student in Geography* at O'levels.
- 1983** Awarded *1st Prize for Public Speaking Contest for Form 4* (equivalent to Grade 11), Hillview College, Trinidad.
- 1982** Awarded *1st Prize for Public Speaking Contest for Form 3* (equivalent to Grade 10), Hillview College, Trinidad.
- 1980** Awarded *1st Prize for Public Speaking Contest for Form 1 and Overall Winner for Forms 1-3* (equivalent to Grades 8 – 9), Hillview College, Trinidad.

## PUBLICATIONS

### Sc.D. Thesis

1. FORDE M, 2000, *Musculoskeletal Disorders, Ergonomic Exposures, and Construction Ironworkers*, Department of Work Environment, University of Massachusetts Lowell, 1 University Avenue, Lowell, MA 01854.

### M.A.Sc. Thesis

1. FORDE M, 1994, *Isometric Push-up and Pull-down Strength Profiles in Workspace Reach Envelopes of Paraplegics*, Masters of Applied Science (M.A.Sc.) thesis, Department of Industrial Engineering, Technical University of Nova Scotia, Halifax, NS.

### Peer Reviewed Journal Papers

1. WILLIAMS N, FORDE M, 2009, Ergonomics and Obesity, *Applied Ergonomics*, 40 (2009), 148–149.
2. FORDE M, PUNNETT L, WEGMAN D, 2005, Prevalence of musculoskeletal disorders in union ironworkers, *Journal of Occupational and Environmental Hygiene*, Vol.2, 203-212.
3. FORDE M and BUCHHOLZ B, 2004, Task content and physical ergonomic risk factors in construction ironwork, *International Journal of Industrial Ergonomics*, Vol.34, Issue 4, 319-333.
4. BUCHHOLZ B, PAQUET V, WELLMAN H, and FORDE M, 2003, Quantification of ergonomic hazards for ironworkers performing concrete reinforcement tasks during heavy highway construction, *American Industrial Hygiene Journal*, Vol.64, 243-250.

5. **FORDE M**, PUNNETT L, WEGMAN D, **2002**, Pathomechanisms of work-related musculoskeletal disorders: conceptual issues, *Ergonomics*, Vol.45, No.9, 619-630.
6. DAS B and **FORDE M**, 1999, Isometric push-up and pull-down strengths of paraplegics in the workspace: 1. Strength measurement profiles, *Journal of Occupational Rehabilitation*, Vol.9, No.4, 279-291.
7. DAS B and **FORDE M**, 1999, Isometric push-up and pull-down strengths of paraplegics in the workspace: 2. Statistical analysis of spatial factors, *Journal of Occupational Rehabilitation*, Vol.9, No.4, 293-299.
8. **FORDE M**, 1996, Cumulative trauma disorders: A review of major influence factors and some ergonomic countermeasures, *West Indian Journal of Engineering*, 19(1), 45-59.
9. DAS B and **FORDE M**, 1996, Spatial factors affecting isometric push-up and pull-down strengths of paraplegics, *Advances in Occupational Ergonomics and Safety I*, Vol. 2, 182-187.

#### **Technical Reports and Manuals**

1. **FORDE M**, HANSEN M, **2010**, Evaluation of the Lead Safe Richmond Program-WIC Collaboration, *The Center for Disease Control and Prevention (CDC)*, Atlanta GA, January 2010.
2. **FORDE M**, FORDE SCF, **2009**, Disaster Preparedness and Response Plan For HIV/AIDS Interventions In Emergencies In Grenada, *The United Nations Trust Fund for Human Security (UNTFHS) Project*, May 2009.
3. **FORDE M**, FORDE SCF, **2009**, Disaster Preparedness and Response Plan MANUAL For HIV/AIDS Interventions In Emergencies In Grenada, *The United Nations Trust Fund for Human Security (UNTFHS) Project*, May 2009.
4. **FORDE M** (Editor), **2009**, Biomedical Waste Management Policy for Grenada, *Ministry of Health, Government of Grenada*, January 14, 2009.
5. **FORDE M**, **2007**, Biomedical Waste Management in the Organization of Eastern Caribbean States (OECS), *Pan American Health and Educational Foundation Report*, December 15, 2007.
6. **FORDE M**, **2005**, Biomedical Waste Management Manual for Healthcare Personnel in Grenada, *World Bank Report*, Grenada HIV/AIDS Prevention and Control Project, December 30, 2005.
7. **FORDE M**, **2002**, Ergonomic Job Analysis: Structural Ironwork, Technical Report T-59, Construction Occupational Health Program, Department of Work Environment, University of Massachusetts Lowell, One University Avenue, Lowell, MA 01854.
8. **FORDE M**, **2002**, Structural Ironwork: PATH (Posture, Activity, Tools, Handling) Analysis, Technical Report T-60, Construction Occupational Health Program, Department of Work Environment, University of Massachusetts Lowell, One University Avenue, Lowell, MA 01854.
9. **FORDE M**, **2002**, Reinforcing Ironwork: PATH (Posture, Activity, Tools, Handling) Analysis, Technical Report T-61, Construction Occupational Health Program, Department of Work Environment, University of Massachusetts Lowell, One University Avenue, Lowell, MA 01854.
10. PUNNETT L, **FORDE M**, HOWARD N, and MOIR S, **1997**, PATH Student Training Manual of NIOSH'S Wal-Mart Exposure Assessment Protocol, NIOSH Contract: DSR96E0035, Construction Occupation Health Project, Department of Work Environment, University of Massachusetts Lowell, Lowell MA.

#### **Conference Paper Presentations**

1. **FORDE M**, **2010**, Assessing exposure to persistent organic pollutants in the Caribbean, *5<sup>th</sup> Biennial Caribbean Environmental Forum and Exhibition & 15<sup>th</sup> Annual Wider Caribbean Waste Management Conference & the 2<sup>nd</sup> Caribbean Sustainable Energy Forum*, June 21-25, Jamaica, W.I.
2. GLASGOW L, OWEN G, MAY-HARDFORD J, ANTOINE S, **FORDE M**, PEREZ E, INDAR L, **2009**, Preliminary analysis of burden of diarrheal illness studies in St. Lucia and Grenada, *Caribbean Health Research Council 54th Annual Council and Scientific Meetings*, Sandals Grande St. Lucian Beach Resort, St. Lucia, April 22 - 25, 2009
3. **FORDE M**, MORRISON K, COX C, **2008**, The Caribbean EcoHealth Programme (CEHP) Model: Overview, Interests and Opportunities, *International Ecohealth Forum 2008, December 1<sup>st</sup> – 5<sup>th</sup>*, Merida, Mexico.
4. BADRIE N, **FORDE M**, DEWAILLY E, MORRISON K, ROBERTSON L, INDAR L, FLINT J, **2008**, Caribbean Eco-Health Program (CEHP): Building capacity and capability in public and environmental health, *16<sup>th</sup> General Meeting and Biennial Conference and 1<sup>st</sup> Science Teachers' Workshop*, October 11-13, 2008, Grenada, W.I.
5. **FORDE M**, **2008**, Review of biomedical waste management practices in the Organization of Eastern Caribbean States (OECS), *4<sup>th</sup> Biennial Caribbean Environmental Forum and Exhibition & 14<sup>th</sup> Annual Wider Caribbean Waste Management Conference & the 1<sup>st</sup> Caribbean Sustainable Energy Forum*, June 23-27, Grenada, W.I.
6. **FORDE M**, **2008**, Developing intra-regional and institutional capacity: the Caribbean Eco-Health Programme Model, *4<sup>th</sup> Biennial Caribbean Environmental Forum and Exhibition & 14<sup>th</sup> Annual Wider Caribbean Waste Management Conference & the 1<sup>st</sup> Caribbean Sustainable Energy Forum*, June 23-27, Grenada, W.I.

7. **FORDE M, 2000**, Using quantitative techniques to evaluate ergonomic exposures in the construction industry, *128<sup>th</sup> APHA Annual Meeting & Exposition, November 12-16, 2000 Boston, Massachusetts*.
8. **FORDE M, 1999**, Pathomechanisms and exposure assessment of work-related musculoskeletal disorders, *Annual Joint Meeting of UConn and UMASS Researchers*, 19 January, Publick House, Sturbridge, MA.
9. **FORDE M, 1998**, Pathomechanisms of work-related musculoskeletal disorders, *PREMUS-ISEOH '98, Book of Abstracts: 3<sup>rd</sup> International Scientific Conference on Prevention of Work-Related Musculoskeletal Disorders*, 13<sup>th</sup> International Symposium on Epidemiology in Occupational Health, 21-25 September 1998.
10. DAS B and **FORDE M, 1995**, The determination of isometric push-up and pull-down strength profiles in the workspace for paraplegics", *Proceedings of the IEA World Conference 1995*, Rio de Janeiro, Brazil, Oct. 16-20, 1995.
11. **FORDE M, 1995**, Ergonomic issues for a developing country such as Trinidad, presented at the *Ninth Annual Technical Conference of APETT Proceedings*, Trinidad, November 13-15, 1995, Association of Professional Engineers of Trinidad and Tobago.

#### **Conference Poster Presentations**

1. GLASGOW L, OWEN G, MAY-HARDFORD J, ANTOINE S, **FORDE M**, PEREZ E, INDAR L, **2010**, Estimating The Burden of Acute Gastrointestinal Illness In Grenada, *2010 International Conference on Emerging Infectious Diseases (ICEID) in Atlanta, Georgia, USA, July 11 - 14, 2010 at the Hyatt Regency Atlanta*.
2. **FORDE M**, MORRISON K, HAWLEY J, BERGERON M, ROBERTSON L, **2008**, A Collaborative Research Proposal: CEHP and Dominica's Caribs (Kalinago), *Global Indigenous Health Research Symposium, University of Victoria, July 23<sup>rd</sup>, 2008, Canada*
3. **FORDE M, 2004**, Nonfatal injury rates among union construction ironworkers, *132<sup>nd</sup> APHA Annual Meeting & Exposition, November 6-10, 2004 Washington, DC*.
4. TOWMSEND M, **FORDE M**, S PERSAUD, and MACPHERSON CNL, **2004**, Sentinel sites for monitoring the elimination program of lymphatic filariasis in Guyana, *132<sup>nd</sup> APHA Annual Meeting & Exposition, November 6-10, 2004 Washington, DC*.
5. **FORDE M** and BUCHHOLZ B, **2000**, Characterization of ergonomic exposures in caisson cage construction, *128<sup>th</sup> APHA Annual Meeting & Exposition, November 12-16, 2000 Boston, Massachusetts*.
6. **FORDE M**, RO J, AN K, BUCHHOLZ B, 1999, Quantification of ergonomic exposures in pipejacking tunnel construction, *Human Factors and Ergonomics Society 43<sup>rd</sup> Annual Meeting*, September 27-October 1, Houston, Texas.
7. AN K, **FORDE M**, RO J, SONG MY, **1999**, *Ergonomic Job Analysis: Pipejacking*, Engineering Week, University of Massachusetts Lowell, Lowell, MA.
8. **FORDE M, 1998**, *Study proposal to determine the ergonomic risk profile of construction ironworkers with respect to musculoskeletal disorders*, Engineering Week, University of Massachusetts Lowell, Lowell, MA.

#### **Conference Panel Discussions**

1. GORDON J, KOTELCHUCK D, **FORDE M, et al., 1999**, Bringing students into the field of occupational health and safety, *American Public Health Association 127<sup>th</sup> Annual Meeting*, November 7-11, Chicago.

#### **Invited Presentations given at Workshops & Seminars**

1. *The Caribbean Ecohealth Programme: Overview, Status and the Next Phase*, 23 January **2009**, presented at *Assessment, Monitoring and Management of Persistent Organic Pollutants (POP) and Persistent Toxic Substances (PTS) in the Coastal Ecosystems of the Wider Caribbean Region*, Reef Yucatan Hotel, Merida, Mexico, 23-24 January 2009.
2. *Occupational Safety and Health for Employers Workshop*, 7 October **2008**, sponsored by the Grenada Employers' Federation, Grenada Chamber of Commerce, Frequente Industrial Park, Grand Anse, Grenada, W.I.
3. *Safety at the Workplace*, 26 May **2006**, keynote speaker at the Grenada Public Health Association's annual Public Health Lecture and General Meeting, St. George's University, Grenada, W.I.
4. *Environmental Health and Safety: Exploring the Linkages*, 11 May, **2004**, workshop on Business and the Environment in the Context of Trade Liberalization and Globalization, 11<sup>th</sup>-13<sup>th</sup> May, 2004, Grenada, W.I.
5. *Environmental Issues in the Caribbean*, multiple times (**2003 - 2005**), School of Arts and Sciences, St. George's University, Grenada, W.I.
6. *Health Hazards in the Construction Industry*, 4 September **2003**, Grenada Bureau of Standards, Workshop on Safety Conditions in the Construction Industry, Grenada, W.I.
7. *Environmental Issues in Public Health*, 31 March **2003**, School of Medicine, Dept of Public Health and Preventive Medicine, St. George's University, Grenada, W.I.
8. *Safety in the Workplace*, 8 March **2001**, The Wellness Centre, St. George's University, Grenada, W.I.

**Newsletters & Magazines Articles**

1. FORDE M, 2000, In Survey, Ironworkers Tell COHP That it Hurts, *On the Beam*, Vol.3(2), 1.
2. FORDE M, 1998, Local 7 Study: Taking the Stress out of Iron Work, *On the Beam*, Vol.1(3), 3.

**Radio & TV Interviews**

1. FORDE M, 2009, Water: A Force of Nature, Channel 6 TV Documentary, 50 mins, Grenada, W.I.
2. FORDE M, 2004, Alternative Energy Sources, 30 min interview, May 24<sup>th</sup>, *FM105*, Grenada, W.I.
3. FORDE M, 2004, Genetically Modified Foods, 1 hr talk show, *FM96.3*, Grenada, W.I.

**Papers Submitted for Review**

1. FORDE M, FORDE S, KEENS-DOUGLAS A, MUKURIA A, Provision of tuberculosis services in public facilities to HIV/AIDS infected clients in the Eastern Caribbean, submitted to *Journal of Ambulatory Care Management*.

**Other Books/Publications**

1. FORDE M, *We Survived Hurricane Ivan: The experience of Martin, Laura, and Stefan Forde*, Trafford Publishing, 2006, ISBN 1-4120-7306-5.

**GRANTS****AWARDED**

GRANT TITLE		AGENCY	YEAR GRANT OBTAINED	\$
Ethical issues and challenges in global population health research partnerships	**	Global Health Research Initiative, Canada	2010 (2 years)	CAD \$70,000
Caribbean Persistent Organic Pollutants (POPs) Study	*	World Bank (for the Canadian POPs Trust Fund)	2009 (6 months)	USD \$275,000
Caribbean Eco-Health Programme: Public and Environmental Health Interactions in Food and Water-Borne Illnesses	*	Teasdale-Corti Grant, International Development Research Centre's Global Health Research Initiative, Canada	2007-2011	CAD \$1,600,000
Biomedical Waste Management in OECS Countries	**	Pan American Health and Education Foundation	2007 (4 months)	USD \$11,100
<b>Total</b>				<b>~US\$1,956,100</b>

\* Co-Principal Investigator

\*\* Principal Investigator

**SUBMITTED**

GRANT TITLE		AGENCY	STATUS	GRANT PERIOD	\$
Linking global health and climate adaptation for resilient coastal communities	**	International Research Initiative on Adaptation to Climate Change (IRIACC)	Based on review of 96 acceptable applications, our proposal is one of 12 given initial approval. Awarded \$30,000 to fully develop proposal to determine which 5 of the above 12 proposal will each receive \$2.5 million dollar award	5 yrs	CAD \$2,500,000

<b>Total</b>					<b>~USD \$2,500,000</b>
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\* Co-Principal Investigator

\*\* Principal Investigator

## ACADEMIC TEACHING EXPERIENCE

### Present Job

2007 –

**Professor, Department of Public Health & Preventive Medicine, St. George's University**

Courses taught since 2007:

	<b>Course #</b>	<b>Title</b>
1.	PUBH 804	Principles of Biostatistics
2.	PUBH 807	Principles of Environmental Health
3.	PUBH 816	Occupational Health
4.	PUBH 821	Ergonomics and Industrial Hygiene

2000 – 2007

**Assistant Professor (00-02)/Associate Professor (02-05), Department of Public Health & Preventive Medicine, St. George's University**

In addition to the above courses, have also taught the following courses:

	<b>Course #</b>	<b>Title</b>
1.	PUBH 817	Intermediate Biostatistics

### Other Duties

2007-08

**Chair, Graduate Affairs Committee**

Department of Public Health & Preventive Medicine, St. George's University

2005-07

**Deputy Chair**

Department of Public Health & Preventive Medicine, St. George's University

2005-07

**Research and Practice Committee, Chair**

Department of Public Health & Preventive Medicine, St. George's University

2004-09

**Environmental and Occupational Health Track, Track Director**

Department of Public Health & Preventive Medicine, St. George's University

### Past Experience

(1) **St. George's University, 2000**

**Visiting Professor, Occupational Health (25 April – 5 May, 2000):** Taught two-week Occupational Health course, Master of Public Health students Occupational Health.

(2) **University of Massachusetts Lowell – 1996/2000**

➤ **Teaching Assistant:** Department of Work Environment, University of Massachusetts Lowell, Lowell MA.

➤ **Research Assistant,** Construction Occupational Health Program (COHP), Department of Work Environment, 1 University Avenue, Lowell, MA 01854

A summary of some of the key projects and assignments I have worked on are listed below:

- Lead person in observation based (Posture, Activity, Tools, Handling) PATH training and development.
- Helped develop a computerized version of PATH.

- Lead researcher in research to determine the prevalence of repetitive-type jobs and activities/tasks on the Central Artery/Third Harbor Tunnel Project (Big Dig); subsequently helped develop ways to measure and record the levels of such exposures.
- Lead person in the development and implementation of a cross-sectional study involving ironworkers (Local #7).
- Responsible for the development and maintenance of the Department of Work Environment and COHP's web pages.
- NIOSH Back Belt Project - provided ongoing advisory and technical support to NIOSH personnel in the implementation of PATH for the Wal-Mart Back Injury Study.

Within the Department of Work Environment, UMASS Lowell, I periodically conduct classes/lectures in the following courses:

<b>Course #</b>	<b>Course Name</b>	<b>Date</b>
19.500	Introduction to the Work Environment	1998
19.530	Ergonomics and Work	1999
19.625	Field Evaluations	1998/99
497.46	Introductory Ergonomics (UConn course)	1998

**(3) The University of the West Indies – 1994/96**

**Assistant Lecturer**, (1994/95) and **Lecturer** (1995/96) in the Department of Mechanical Engineering, Faculty of Engineering. I taught the following courses:

(i)	Project Management (IE34B)	<b>1994/96</b>
(ii)	Engineering Management I (ME30A)	<b>1994/96</b>
(iii)	Engineering Management II (ME30B)	<b>1995/96</b>
(iv)	Work Study and Ergonomics (IE20A)	<b>1995/96</b>
(v)	Production Planning and Control (IE30B)	<b>1995/96</b>
(vii)	Project Management (ME64P)*	<b>1995/96</b>
(viii)	Applied Ergonomics (ME63G)*	<b>1995/96</b>

\* Graduate level courses

## PROFESSIONAL WORK EXPERIENCE

**(1) St. George's University – 2005/06**

**Health, Safety, and Security Committee, Chair** – The HSSC committee was mandated to provide technical support as well as monitor and ensure that all SGU facilities are safe, secure, and do not in any way effect the health of its user population.

**(2) International Technologies Limited, Trinidad - 1991/92**

**Product Engineer** - Provided support to both Administration and the Production and Technical Departments. Specific duties included Quality Control and Product Design.

**(3) Monogram Products Caribbean Limited - 1990/91**

**Planning/Production Manager** - Provided support to both Administration and the Production/Technical Departments. Specific duties included Production Planning, Plastics Technology, Inventory Control, Pricing/Cost Estimation, and Management/Administration.

**(4) ABEL Clay Products, Trinidad - 1989 (summer job)**

**Design Engineer** – Did a detailed analysis and submit a report that outlined a packaging system for all of ABEL clay products. Two designs were built and tested. Cost analyses for both designs were carried out and recommendations for cost saving made.

**(5) Caribbean Agriculture Research and Development Institute (CARDI), U.W.I., St. Augustine, Trinidad - 1988 (summer job)**

**Library Assistant** - entering of data into computer system; cataloging and sorting of books, journals, etc.; re-shelving of all books in library.

**(6) Trinidad & Tobago Bureau of Standards - 1985 (winter job)**

**Laboratory Technician** – Worked in Laboratory Services Division sorting, cataloging and packing of laboratory equipment.

**(7) Quickbuild Construction Projects, Trinidad - 1986/99**

These projects involved the construction of auditoriums that can seat up to 250 persons in four (4) or five (5) days or over two weekends. I have been involved in two ways: (i) Monitoring of all on-site activities with the intentions of recording all problems that occurred and suggesting possible solutions in the form of a written report submitted at the end of the project, and (ii) as a mason.

## OTHER PROFESSIONAL ACADEMIC AND RESEARCH EXPERIENCE

**(1) 2008 - Conference Co-coordinator**

*4<sup>th</sup> Biennial Caribbean Environmental Forum and Exhibition & 14<sup>th</sup> Annual Wider Caribbean Waste Management Conference & the 1<sup>st</sup> Caribbean Sustainable Energy Forum*, June 23-27, 2008, Grenada, W.I., St. George's University, St. George's, Grenada, W.I.

**(2) 2003 - Woburn Community Cleanup Project Co-coordinator**

Lead organizer of events and activities culminating with the cleanup of the Woburn community, Grenada, W.I.

**(3) 2002 - Project Co-coordinator: Guyana Lymphatic Filariasis Eradication Project, (6-30 January 2002)**

Co-lead and supervised five-person research team in Guyana, W.I. on Guyanese Government's implementation efforts to eliminate lymphatic filariasis in this country.

**(4) 2000 - Conference Co-coordinator**

*Caribbean 2000 Plus: A vision for Health and Ecology in the New Global Economy*, 1-3 December 2000, St. George's University, P.O. Box 7, St. George's, Grenada, W.I.

<b>CONSULTING AND TRAINING EXPERIENCE</b>
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**Consultant Work Experience**

- 2009** **Persons living with HIV/AIDS Disaster Preparedness and Response Contract:**  
Prepared *A Disaster Preparedness and Response Plan for Persons Living with HIV/AIDS* (Grenada) for the United Nations Trust Fund for Human Security (UNTFHS) project.
- 2009** **Biomedical Waste Management Policy for Grenada Contract:**  
Prepared a *Biomedical Waste Management Policy for Grenada* policy document for the Government of Grenada.
- 2007** **Biomedical Waste Management Manual for Healthcare Personnel in Grenada Contract:**  
Prepared a *Biomedical Waste Management Manual for Healthcare Personnel in Grenada* manual for the Government of Grenada
- 2006** **Data Analyst for 'Caribbean Health Service Provision Inventory' project:**  
Conducted data analysis for all seven countries (St. Kitts, Nevis, Antigua, Grenada, Trinidad, Tobago, and Suriname) of Phase II of the C-HSPI project.
- 2005** **'Biomedical Waste Management Manual for Healthcare Personnel in Grenada':**  
Developed a biomedical waste management training manual for use by healthcare personnel in Grenada. Project funded by World Bank.
- 1997** **Ergonomics Consultant**  
Hired by NIOSH to help design, develop and pilot test an ergonomic exposure assessment protocol that would be used in support of their Wal-Mart Back Belt Study.

**Other Workshops/Seminars and Training Consultancies**

- 2009** **Biomedical Waste Management Policy Workshop (6 - 7 January, 2009)**  
Facilitated two-day workshop to final Biomedical Waste Management Policy for Grenada.
- 1999** **Web Page Design Course (9 - 10 September, 1999)**  
Conducted a two-day introductory course on web page design and layout for the staff and faculty of the Department of Work Environment, University of Massachusetts Lowell, Lowell, MA.
- 1997** **Ergonomics Training Instructor**  
Conducted two 3-day training sessions (3/97 and 9/97) for NIOSH personnel. Training was provided in the use of an ergonomic exposure assessment protocol developed especially for use in NIOSH's Wal-Mart Back Belt Study (see below).
- 1997** **Health and Safety Training Workshop (26 – 30 May, 1997), Trinidad**  
One week course conducted by Dr. John Wooding, Dr. Beth Rosenberg, Ms. Parker, and myself for the *All Trinidad Sugar and General Workers Trade Union*. My main responsibility was to design and deliver the ergonomic portion of this course to union workers drawn from a wide range of local industries. It should be noted that this course was a direct result of the ISGWE's visit in January 1997 (see below).
- 1997** **International Study Group for Work Environment: visit to Trinidad (6 – 10 January)**

Helped organize and was part of first symposium organized by the *International Study Group on Work Environment (ISGWE)* in Trinidad. The ISGWE is a group created to examine work environment issues from various international perspectives. The major goal of our visit to Trinidad was to – via a series of presentations, discussions, and site visits – learn of the important work issues from various groups in Trinidad and foster further exchange of information.

**1996 *Ergonomics Consultant***

Helped develop a three-week training course on "Work Study Methods" to be given to trainees at the Telecommunication Services of Trinidad and Tobago (TSTT).

**1996 *Increasing Productivity Using the Work Study Approach (13-16 May, 1996)***

Conducted above named 4-day workshop for the Continuing Engineering Education Centre, The University of the West Indies, St. Augustine, Trinidad, W.I.

**1996 *Industrial Application of Human Factors/Ergonomics (20-22 May, 1996)***

Conducted above named 3-day workshop/seminar for the Continuing Engineering Education Centre, The University of the West Indies, St. Augustine, Trinidad, W.I.

**1995 *Occupational Comfort and Hygiene (31 May - 1 June)***

Conducted with other co-presenters above named 2-day course on how to design work environments using ergonomic and industrial hygiene techniques for the Continuing Engineering Education Centre, The University of the West Indies, Trinidad, W.I.

***Technical and Governmental Committees Served On***

**2006- Biomedical Waste Management Committee:** Ministry of Health and the Environment, Grenada.

**2006-08 Ad Hoc Advisory Environmental Committee:** Handpicked 5-membered committee to advise the Ministry of Health and the Environment, Grenada, on environmental issues. The Minister chooses members of this committee.

**2001- Worker Health & Safety Committee:** Ministry of Health and the Environment, Grenada, W.I.

**2003- Sustainable Development Council:** Ministry of Finance, Grenada, W.I.

**2003-05 National Environment Management Steering Committee:** Cabinet Level (Grenada) appointed committee, Grenada, W.I.

**2003- Grenada Bureau of Standards Technical Committee for Occupational Health & Safety:** Grenada, W.I.

**REFERENCES**

1. **Dr. Laura Punnett**, Professor, University of Massachusetts Lowell, Department of Work Environment, 1 University Avenue, Lowell, MA 01854; phone (978) 934-3269.
2. **Dr. Bryan Buchholz**, Professor, University of Massachusetts Lowell, Department of Work Environment, 1 University Avenue, Lowell, MA 01854; phone (978) 934-3241.

3. **Prof. Clement K. Sankat**, Pro Vice Chancellor, The University of the West Indies, St. Augustine, Trinidad, W.I.; phone (868) 662-2002ext.2198/2199; email: clem@uwi.tt
4. **Dr. Omowale Amuleru-Marshall**, Professor, St. George's University, Department of Public Health and Preventive Medicine, P.O. Box 7, St. George's, Grenada, W.I.; phone (473) 444-4175 ext.2350

#### PAST ACTIVITIES

- 1993/94** **Secretary**, Technical University of Nova Scotia International Student Society.
- 1999/00** **President**, Human Factors and Ergonomic Student Society Chapter, UMASS Lowell.
- 1988/89** Played (**fast bowler**) for U.W.I. Engineering Cricket Team.
- 1989** **Vice-president**, U.W.I. Photography Club.