

The 17th CAS General Meeting, Antigua and Barbuda meeting was held at the Grand Royal Antiguan Beach Resort aka The Royal Antiguan Beach and Tennis Resort

2010 Programme

DAY 1 – NOVEMBER 13, 2010

PLENARY SESSION 1: VENUE – THE BALLROOM

Chairman: Professor Ramsey Saunders

830 – 8.35 a.m.	Chairman Remarks
8.35 – 8.50 a.m.	Address by Mrs. D. Black-Lane Chief Environmental Officer, Antigua and Barbuda
8.52 – 9.17 a.m.	What We Should Know About Climate Change But Don't Professor Maureen L. Cropper University of Maryland and National Academy of Sciences, USA
9.20 – 10.00 a.m.	Vulnerability of Caribbean Capital Cities to Natural Hazards Professor Winston Suite University of the West Indies, St. Augustine
10.00 – 10.15 a.m.	Questions
10.15 – 10.30 a.m.	REFRESHMENT BREAK

PLENARY SESSION 2: VENUE- THE BALLROOM

Chairmen: Professors G. Oliver and R. Lancashire

10.30 – 10.55 a.m.	Climate Policy and Political Ecology in Guyana: Torn Between Multiple Lovers and Rising Above the Gathered Storm of Competing Natural Resource Interests Dr. John Caesar University of Guyana, Guyana
10.55 – 11.20 a.m.	Socio-Economic Considerations in a Proactive Approach to Climate Change Adaption in Caribbean SIDS: Case Studies from Infrastructure and Agriculture Dr. Marlene Attzs The University of the West Indies
11.20 – 11.45 a.m.	Women in Sciences: Facing Climate Changes Dr Lilliam Alvarez Diaz Cuba
11.45 a.m.– 12.10 p.m.	Regional Framework for Achieving Development Resilient to Climate Change Dr J. Firth United Kingdom
12.15 – 1.10 p.m.	LUNCH
1.10 – 1.25 p.m.	PHOTO SESSION

SESSION 1A – HEALTH VENUE: THE BALLROOM

Chairman: Professor Jorge A. Moreno

1.30 – 1.50 p.m.	Preliminary Results From a Study of Climate Variability and its Impact on Dengue Fever and Respiratory Illnesses in the Caribbean <u>Roxann Brown Stennett</u> ; Dharmaratne Amarakoon; Anthony Chen The University of the West Indies, Mona, Jamaica
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1.50 – 2.10 p.m.	Surveillance of Antibiotic Resistance at Tertiary Institutions in Trinidad P.I. Sealy; <u>D. Ignacio</u> ; M. Manjunath; W. Swanston The University of the West Indies, St. Augustine
2.10 – 2.30 p.m.	Towards the Characterization of Novel Teretoxins <u>A. Grigoryan</u> ; P. Anand; M. Holford City University of New York, USA
2.30 – 2.50 p.m.	Diabetes: Its Effect on Liver and Kidney Histology and Cytochrome c Oxidase Activity <u>D. Friday</u> ; T. Alleyne; S. Rao The University of the West Indies, St. Augustine
2.50 – 3.10 p.m.	The Terebridae and Teretoxins: Combining Phylogeny and Anatomy for Concerted Discovery of Bioactive Compounds <u>M Holford</u> ; N. Pulliandre City University of New York, USA
3.10 – 3.30 p.m.	The <i>in vitro</i> Efficacy of Antifungal Impregnated Biodegradable Bone Delivery Systems <u>P.I. Sealy</u> ; S. Chapman; J.D. Cleary The University of the West Indies, St. Augustine

SESSION 1B – INDUSTRY VENUE: THE BARINGTON

Chairman: Eng. Hollis Charles

1.30 – 1.50 p.m.	A Simulation Model for e-Commerce Neuromarketing by EEG <u>A. Nikov</u> ; S. Leon; D. Andreeva The University of the West Indies, St. Augustine
1.50 – 2.10 p.m.	

2.10 – 2.30 p.m.	Recent Investment by National and International Companies Around the Caribbean Sea Sally Radford Esher, Surrey, United Kingdom
2.30 – 2.50 p.m.	Modeling of an Integrated Plasma Gasification Combined Cycle (IPGCC) Waste to Energy (WTE) Power Plant Using APEN_PLUS Thermochemical Code <u>K. Singh</u> ; S. Kelly The University of Trinidad & Tobago Resuscitation of Biogas Technology in Guyana <u>R.C. Jagessar</u> ; K. Ghansiam; C. Erskine The University of Guyana
2.50 – 3.10 p.m.	A Preliminary Inventory Assessment Study of Specific E-Waste Components in Trinidad and Tobago <u>N. Thomas</u> ; S. Kelly The University of Trinidad and Tobago
3.10 – 3.30 p.m.	Technical and Economical Feasibility Study of Using Landfill Gas as a Potential Energy Source in Trinidad and Tobago <u>L. Huggins</u> ; K. Singh The University of Trinidad and Tobago
SESSION 1C 2.30 – 3.30 p.m.	Group Meetings of Climate Change Experts
3.30 – 3.45 p.m.	REFRESHMENT BREAK

SESSION 2A – CLIMATE CHANGE & GEOGRAPHY VENUE: THE BALLROOM

Chairman: Professor Ronald Young

3.45 – 4.05 p.m.	An Analysis of the Evolution of the Time Series of Rainfall and Temperature of Guadeloupe M. Biloniere; <u>A. Maurin</u> University of Antilles-Guyane, Guadeloupe
4.05 – 4.25 p.m.	Spatio-Temporal Study of Global Sunshine in Guadeloupe <u>Maina Abdre</u> ; Ted Soubdhan University of Antilles-Guyane, Guadeloupe
4.25 – 4.45 p.m.	Statistical Evaluation of the IPCC’s Evidence for Climate Change in the Caribbean Region Reynold J. Stone The University of the West Indies, St. Augustine
4.45 – 5.05 p.m.	Characteristics of Nocturnal Stable Layers in Windward Islands in the Southern C. d’Alexis University of Antilles-Guyane, Guadeloupe

SESSION 2B – ECOLOGY VENUE: THE BARINGTON

Chairman: Dr. Mark Wuddivira

3.45 – 4.05 p.m.	Nitrate Anions and their Concentrations in Waste Water from Selected Areas of Coastal Guyana <u>R.C. Jagessar</u> ; Odessa Alleyne The University of Guyana
4.05 – 4.25 p.m.	Long Term Human Ecodynamics on the Island of Barbuda, West Indies <u>Sophia Perdikaris</u> ; A. Bain; R. Murphy; T. McGovern; C, Look; N. Manigault; G. Hambrecht; A. Santangelo Brooklyn College, USA

4.25 – 4.45 p.m.	Removal of Phenolic Contaminants from Aqueous Solution through Absorption on Metal Hexacyanoferrate (II) Complexes and its Relevance to Environmental and Agricultural Issues T. Grant; <u>B.B. Tewari</u> The University of Guyana
4.45 – 5.05 p.m.	Water Management in Trinidad and Tobago – Problems, Perspectives, Challenges Role of Academy Vincent Cooper; <u>Winston Mellowes</u> The University of the West Indies, St. Augustine

SESSION 2C CLIMATE CHANGE VENUE: THE BARINGTON
3.45 – 5.05 p.m Group Meetings of Climate Change Experts

DAY 2 – NOVEMBER 14, 2010

PLENARY SESSION 3 – VENUE – THE BALLROOM

Chairmen: Dr. T. Alleyne and Professor J. Moreno

8.30 – 8.55 a.m.	Caribbean Water Management – Does Climate Change Matter Dr. Adrian Cashman The University of the West Indies, Cave Hill
8.55 – 9.20 a.m.	Net Zero Energy Building 0 A Solution to Energy Inefficiency in the Caribbean <u>Professor Tara Dasgupta</u> ; Anthony Clayton The University of the West Indies, Mona, Jamaica
9.20 – 9.55 a.m.	Patterns of Biodiversity in Trinidad Spiders TWAS 2010 Young Scientist Award Winner The University of the West Indies, St. Augustine
9.55 – 10.15 a.m.	The Need for Public Education in Combating Climate Change

	Ms. Joanne Chin Sang NIHERST, Trinidad & Tobago
10.15 – 10.30 a.m.	REFRESHMENT BREAK

SESSION 3A – AGRICULTURE 10.30 – 11.50 a.m. VENUE: THE BALLROOM

Chairman: Dr. Peter Cogan

10.30 – 10.50 a.m.	Optimal Control for Population Dynamics with Incomplete Data: The No-Regret Control A. Omrane The University of Antilles-Guyane,, Guadeloupe
10.50 – 11.10 a.m.	Texture, Organic Matter and Wetting Controls on Shear Strength and Erodibility of Humid Tropical Soils Mark N. Wuddivira The University of the West Indies, St. Augustine
11.10 – 11.30 a.m.	The First Hydroxymanool, a Diterpene and its Corresponding Monoacetate from <i>Xylopia benthamii</i> <u>R.C. Jagessar</u> ; A.R. Maxwell The University of Guyana
11.30 – 11.50 a.m.	Effect of a Touted Local Aphrodisiac Herbal Remedy on Lipid Profile of the Domestic Fowl <i>Gallus Gallus Domesticus</i> K. Craig; <u>J.C. Caesar</u> The University of Guyana
11.50 a.m. – 1.00 p.m.	LUNCH

1.00 – 1.30 p.m.	POSTERS
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SESSION 3B – CLIMATE CHANGE & ECOLOGY

10.30 a.m. – 12.10p.m.

VENUE: THE BARINGTON

Chairman: Dr. Reynold Stone

10.30 – 10.50 a.m.	Barbudan Ecosystems: Connectivity, Conservation and Climate Change <u>E. Todd</u> ; W.J. Mc Farlane; M. Montello Manhattanville College, U.S.A.
10.50 – 11.10 a.m.	Ecosystem Protection within the Frame of Climate Change <u>Charley G. Granvorka</u> ; Pascal Saffache University of Antilles & Guyane, Guadeloupe
11.10 – 11.30 a.m.	An Assessment Methodology Linking Health Equity and Climate Adaptation Issues in Coastal Areas at a Community Level <u>M. Forde</u> ; C. Stephen St. George’s University, Grenada
11.30 – 11.50 a.m.	Spatial and Temporal Variability of Water Quality Parameters in Relation to Mangrove Zonation along the Godineau River, Trinidad <u>M. Atwell</u> ; M. Wuddivira; J. Gobin; D. Robinson The University of the West Indies, St. Augustine
11.50 a.m. – 12.10 p.m.	Climate Change and the Alcoholic Bottling Plant N. Blair-Jacobus University of Guyana

12.10 – 1.00 p.m.	LUNCH
1.00 – 1.30 p.m.	POSTERS

SESSION 3C

10.30 a.m. – 12.10 p.m. Group Meetings of Climate Change Experts

10.30 a.m. – 12.10 p.m.. Women's Group Meetings

SESSION 4A – EDUCATION BALLROOM

1.30 – 2.50 p.m.

VENUE: THE

Chairman: Dr. Brijesh Tewari

1.30 – 1.50 p.m.	Graduate Studies: Can We Leave Well Alone? Ronald E. Young The University of the West Indies, Mona, Jamaica
1.50 – 2.10 p.m.	Transforming Mathematics Worksheets B. Coppin University of Guyana
2.10 – 2.30 p.m.	Using Social Software to Support Computer Science – A Case of Using Facebook Groups L. Singh; <u>K. Gaffar</u> The University of Guyana
2.30 – 2.50 p.m.	2011 – The International Year of Chemistry (IYC 2011) Some Early “Jamaican” Chemists R. J. Lancashire The University of the West Indies, Mona, Jamaica

2.50 – 3.05 p.m.	BREAK
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SESSION 4B – CLIMATE CHANGE & AGRICULTURE 1.30 – 2.50 p.m. VENUE: THE BARINGTON

Chairman: Dr. R.C. Jagessar

1.30 – 1.50 p.m	Repositioning the Georgetown Declaration 2001 of the Caribbean Academy of Sciences in the Climate Change Era J.C. Caesar University of Guyana
1.50 – 2.10 p.m.	Assessment of Climate Change on Tomato Production in Trinidad and Tobago G. Seepersad; <u>A. Patterson</u> The University of the West Indies, St. Augustine
2.10 – 2.30 p.m	Photochemical Properties of the Water Hyacinth G. Seepersad; <u>A. Patterson</u> University of Guyana
2.30 – 2.50 p.m.	Can Micro-Algae Help Mitigate Climate Change – Preliminary Growth-Rate Studies? D.A. Janes The University of the West Indies, St. Augustine
2.50 – 3.05 p.m.	BREAK
	PLENARY 4 – VENUE: THE BARINGTON Chairmen: Professors W. Mellowes and T. Dasgupta
3.10 – 3.50 p.m.	Report of Climate Change Experts (20 x 2 min)

3.50 – 4.10 p.m.	Report of Women’s Group
4.10 – 4.20 p.m.	Award of Prize for Best Presentation And Close

5.00 pm Trip To Shirley Heights