



The Caribbean Academy of Sciences

Presents its  
16th General Meeting and Biennial Conference

**Science and Technology**

**Vehicles for  
Sustainable Economic  
Development  
in the Caribbean**

**October 11th to 13th, 2008**  
at The Grenada Grand Beach Resort  
Grande Anse

**Grenada**

**3rd Announcement**

<b>Contents</b>	<b>Page</b>
CAS Executive/Mission/Conference Committees .....	3
Background to Conference .....	4
Invitation for Papers .....	5
Preparations of Abstracts .....	5
Sample Abstract .....	6
Teachers' Workshop .....	6
Preparation of Publications/Posters .....	7
History of CAS .....	8
Young Scientists' Award .....	9
About Grenada .....	10
The University of the West Indies .....	11
St. George's University .....	11
The University of the Southern Caribbean .....	12
Accommodation .....	12
Sight Seeing Tours .....	13
Travel Information .....	14
Conference Time Table .....	14
Registration Information .....	15
Method of Payment .....	15
CAS Activity: 1988 to Present .....	16

## **The Central Executive of the Caribbean Academy of Sciences (CAS) comprises:**

President	– Professor Tara Dasgupta
Secretary	– Prof Robert Lancashire
Treasurer	– Mr. Hollis Charles
Public Relations Officer	– Dr. Neela Badrie
Foreign Secretary	– Professor Winston Mellowes

## **CAS Mission**

- To be an authoritative voice on science and technology in the Caribbean region
- To promote the development of all branches of science and technology for the Caribbean Region
- To strengthen the status of the scientific professions and act as a resource base for scientific information, expertise and policy analysis
- To increase the public understanding and awareness of the impact of science and technology on the development of society
- To develop and promote alliances and partnerships in support of scientific endeavours

## **Conference and Workshop Committees**

### **Conference and Workshop Steering Committee**

Professor Winston Mellowes – Chairman  
Dr Trevor Alleyne  
Professor Kit Fai Pun  
Dr Neela Badrie  
Professor Tara Dasgupta  
Mr Hollis Charles  
Prof Robert Lancashire

### **Conference Planning Committee**

Dr Trevor Alleyne- Chairman  
Professor Winston Mellowes  
Mr Hollis Charles  
Dr Neela Badrie  
Mr Mark Wuddivira  
Dr Jerome Foster  
Mr Dunstan Arrindell

### **Conference Finance and Publicity Committee**

Dr Neela Badrie – Chair  
Professor Winston Mellowes  
Dr Trevor Alleyne  
Mr Hollis Charles  
Mr Mark Wuddivira

### **Conference Scientific Committee**

Professor Kit Fai Pun - Chairman  
Dr Farid Youssef  
Dr Gail Baccus-Taylor  
Prof Robert Lancashire

### **Teachers' Workshop Planning Committee**

Professor Winston Mellowes - Chairman  
Mr Hollis Charles  
Dr Trevor Alleyne

## **Science and Technology : Vehicles for sustainable economic development in the Caribbean**

### **Background**

The Caribbean Academy of Sciences (CAS), founded in 1988, is an organization which brings together natural scientists and social scientists from the English, French, Spanish and Dutch speaking Caribbean. In a number of territories, namely, Trinidad and Tobago, Jamaica, Guyana and Guadeloupe there are local Chapters. At its inception CAS held a major Conference and General Meeting each year however with local chapters hosting their own activities during the course of the year and also to cut cost, CAS Conferences and General Meetings are now held every two years.

In May 2009 CAS will be 21 years old. To celebrate its coming of age, CAS has embarked on a year of heightened activity. The center piece of the celebrations will be the CAS 16<sup>th</sup> General Meeting and Conference held in collaboration with the Government of Grenada and three major institutes of learning of the English Speaking Caribbean. The Meeting and Conference will be from October 11<sup>th</sup> to 13<sup>th</sup>, 2008 and will be held at The Grenada Grand Beach Resort located at Grande Anse in Grenada. The other co-host of the conference are: The University of the West Indies; The St George's University and The University of The Southern Caribbean.

The Conference theme, *Science and Technology : Vehicles for Sustainable Economic Development in the Caribbean*, provides us with a unique opportunity for the region's academics to discuss and evaluate the activities in the various disciplines, in the centres of learning and research in the region and come to terms with the impact of development on our societies. Competence in Science & Technology and good management practices as the drivers of sustainable development of societies will be discussed. The scientific programme will consist of plenary lectures by regional and international experts, short papers of 20 minutes duration and posters. The short papers and posters will be in any of the sciences – agriculture, medical, engineering, natural and social sciences.

In the lead up to the conference, CAS is also organizing a Workshop for Primary Schools Teachers. The Workshop, to be held at the same venue from 9<sup>th</sup> to 10<sup>th</sup> October, 2008, will focus on teaching methodologies with particular emphasis on Inquiry Based Science Education. The CAS-TWAS Young Scientist Award for 2008 will also be presented during the course of the meeting. Finally, the medical experts gathered at the conference will present, for the benefit of the Grenadian people, a free panel discussion entitled, 'What every man and every woman needs to know about cancer.'

## Invitation for Papers

Abstracts in any field of science – agriculture, medicine, engineering, natural and social sciences – are invited for oral and poster presentation. The oral presentations will be of 20 minutes duration (including question time). Papers in the themes listed below will be particularly welcomed.

- |   |   |
|---|---|
| 1. Information & Communication Technology                   | 2. Environmental Physics & Chemistry        |
| 3. Impact of Science & Technology on Poverty & Productivity | 4. Applied Mathematics and its applications |
| 5. The Impact of Science Education on Development           | 6. Biodiversity - Usage of Flora & Fauna    |
| 7. Materials and Natural Resources                          | 8. Food Production & Food Security          |
| 9. Food Safety  | 10. Social Science issues in the Caribbean  |
| 11. Renewable Energy / Rational use of Energy               | 12. Engineering for the Caribbean           |
| 13. Health & The Tropical Environment                       | 14. Engineering and Natural Sciences        |
| 15. Impact of Natural Hazards, disasters on Development     | 16. Innovation in Research & Development    |

## Preparation of Abstracts

For each oral and poster presentation to be made during the conference, abstracts must be submitted by June 30, 2008. Abstracts should be submitted on diskette or sent by electronic mail. Abstracts will be published in the Academy's new E-Journal.

Abstracts must be typed to fit letter size paper (8.5" x 11") using Times New Roman in Microsoft Word 2000 as a minimum. The title should be typed in 12-point font and everything else in 11-point font.

**Typing should be fully justified, with one-inch margins at the top and at each side; a minimum of one inch must be left at the bottom of the page. The entire abstract, including title, name of the author(s), affiliation(s), text and acknowledgements should be typed within these limits.**

The abstract title should be centered and typed in bold, 'title style' in Times New Roman (12-point font). On the next line the author(s) name(s), (lower case, 11-point font, IN BOLD) should be written as initial(s) followed by family name(s). Author(s) name(s) must be centered and separated by semicolons, underlining the name of the person who will present the paper. On the next line (i.e. no extra line spaces) the institution(s) of the author(s) must be typed in italics (NOT IN BOLD) and centered. When authors originate from different institutions the authors and the institutions should be numbered using superscripts to the top right of the names and the top left of the institutions.

The body of the abstract (without any sub-headings) should start two line spaces below the institutional identification. The text should be typed using one and a half line spacing with an extra space separating paragraphs. Paragraphs should NOT be indented.

It is suggested that abstracts include: A definition of the problem, a working hypothesis, main methods or techniques employed, results, discussions and conclusions.

## Sample Abstract

### Biological Nutrient Removal Systems For Greywater

W. Mellowes<sup>1</sup>; T. Dasgupta<sup>2</sup> and H. Charles<sup>3</sup>

<sup>1</sup>*University of the West Indies, St. Augustine;* <sup>2</sup>*Oxfordland University, UK;*

<sup>3</sup>*University of North Carolina, USA*

*wmellowes@tstt.net.tt*

A sequencing batch reactor (SBR) and a combined activated sludge/rotating biological contactor (AS/RBC) system are being evaluated for nutrient removal. The study focuses specifically on the treatment of greywater as it is the major component of domestic wastewater. In the Caribbean region, separation and disposal of this waste stream without any prior treatment is not unusual. This is particularly true of the Trinidadian situation. The characteristic fast breakdown of greywater implies that the carbon contained is in a form that can be readily utilized by microbes – short chain carbon compounds. The availability of this type of immediate energy source underpins the nutrient removal process.

In the Caribbean region, separation and disposal of this waste stream without any prior treatment is not unusual. This is particularly true of the Trinidadian situation. The availability of this type of immediate energy source underpins the nutrient removal process.

## Teachers' Workshop

The Teachers' Workshop –**October 9 to 10, 2008** will focus on practical approaches to the teaching of science in primary schools: There will be particular emphasis on Inquiry Based Science Education. A very limited number of seats are still available.

**Workshop Fee: US\$ 200.00. See the 'Registration' section for methods of payment.**

## Preparation of Publications

Participants will be offered the option of having either their abstracts or a short communication published. The short communications shall be 6 pages maximum, inclusive of figures and references. Except for the body of the paper which will include additional information, the lay out of the communication (i.e. title etc) should be the same as for the abstract, above. The communication shall include an abstract, 150 words maximum and shall have the following sections: An Introduction, Materials and Methods, Results, Discussion and Conclusion. Figures and Table should be numbered and have legends typed in bold. References should be cited using numbers in square brackets and listed at the end in numerical order. The style for the references should be as shown below.

1. Albert D. E., Kearns W. D. and Worden T. J. Potassium infusion attenuates avoidance saline hypertension in rabbits. (1962) *West Indian Journal* 5: 415-420.
2. Zeprin M., Lagley K., Bell G. and Forest C. Hypertension – The Commonest Chronic Disease in the Caribbean. (1989) *Caribbean Food and Nutrition Institute with PAHO/WHO, Jamaica*;20-25
3. Ryroler HA. Socioeconomic status, age, and sex in the prevalence and prognosis of diabetes. *In: Pathology, Diagnosis and Management* (1990). Shaargh JH, Mrenner BM, eds,. New York: Beven Press: 159-174.

## Preparation of Posters

Posters should be a maximum of 44" x 44". A maximum of two posters per person will be allowed. The following information should appear on each poster:

- |               |   |
|---------------|---|
| a. Title      | b. Poster number (As assigned)            |
| c. Author(s)  | d. Institution                            |
| e. Abstract   | f. Introduction                           |
| g. Methods    | h. Results (Including Tables and Figures) |
| i. Discussion | j. Conclusions                            |
| k. References |   |

## Audio/Visual Aids Available

Audio/Visual aids available will include:

- Over Head Projectors
- Slide Projectors: 35 mm
- Multimedia Projectors
- Laptops



## History of CAS

The idea of establishing a Caribbean Academy of Sciences (CAS) was informally proposed at the General Assembly Meeting of the International Council of Scientific Unions [ICSU] in Bern, Switzerland in September 1986. Among the ICSU members supporting the suggestion were: Nobel Laureate Sir John Kendrew – President of ICSU; Professor MGK Menon – President-elect of ICSU; Professor Raimundo Villegas – later Chancellor of the Latin American Academy of Sciences; The Swiss Academy of Science; the Third World Academy of Science; the International Foundation for Science; the US National Academy of Science; the Royal Swedish Academy; the African Academy of Sciences; the Israel Academy of Science and the Royal Nepal Academy of Science and Technology. The Caribbean member on the ICSU Committee for S&T in Developing Countries [COSTED] was mandated to raise the idea within the S&T community in the Caribbean and to support efforts to found a Caribbean Academy. The COSTED Caribbean member who was then the Director of the Caribbean Industrial Research Institute [CARIRI] assigned CARIRI Dep. Director – Dr. Desmond Ali, the task of promoting the Academy and COSTED Caribbean provided financial support for the activities leading to the formation of the Academy, including the inaugural seminar.

The idea of establishing the Caribbean Academy was then taken up in the Physics Department of the University of the West Indies, St. Augustine, Trinidad and Tobago and subsequently taken to the Natural Sciences Faculty Board where it was endorsed and a small group of senior faculty members asked to form a subcommittee to address all matters associated with the establishment of an Academy of Sciences for the Caribbean Region. It soon became apparent to the subcommittee that because of the relatively small size of the region and in particular the need to have a critical mass of scientists for the Academy to be an effective regional force for science, it was necessary to include not only natural sciences, but also the agricultural sciences which have an excellent track record for scientific research in the region, the engineering sciences which have and continue to play an important role in the development of an industrial base in the society and the medical sciences which have an excellent record of scholarship and the development of medical institutions in the region. At a later stage, after much and sometimes painful debate, the Social Sciences were included. It was in addition, decided that the Academy would not restrict itself to reside within the walls of The University of the West Indies, but should embrace scientists working outside the university environment. It was also agreed that appropriate resources of the Trinidad and Tobago Science Association (TTSA) which was established in 1983, should be utilized.

In October 1987, a nine-man steering committee was formed to plan the inauguration of CAS. The members of the committee were:

- Prof. Ramsey Saunders, Faculty of Natural Sciences
- Dr. Roman Antozewski, Faculty of Natural Sciences
- Dr. Harold Ramkissoon, Faculty of Natural Sciences
- Prof. George N. Melville, Faculty of Medical Sciences
- Dr. Compton Seaforth, Faculty of Natural Sciences & Member of the TTSA
- Dr. Winston Suite, Faculty of Engineering
- Dr. Dennis Irvine, UNESCO
- Dr. Julian Duncan, Faculty of Agriculture
- Dr. Desmond Ali, President TTSA

The steering committee organized the inauguration of the CAS at an international seminar on “Science, Development and Society” at the Central Bank Auditorium in Port of Spain, Trinidad on 16<sup>th</sup> and 17<sup>th</sup> May 1988. Regional dignitaries attending the inauguration included Sir John Compton, the then Chairman of the Commonwealth Caribbean Heads of Government, Senator Michael Williams, President of the Senate of Trinidad and Tobago and Honourable Winston Dookeran, Minister responsible for Science and Technology in Trinidad and Tobago. Academies of Sciences worldwide either sent representatives or messages of congratulations to the Academy. The seminar itself was a resounding success. The keynote address was given by Professor W J Whelan of ICSU who represented Professor M G K Menon. Feature addresses were given by Professor Lalor who spoke on behalf of the disciplines of Natural Sciences; Professor H. Phelps who spoke on behalf of the Engineering Sciences;



Professor Rolf Richards who spoke on behalf of the Medical Sciences; Mr. Frank Barsotti, a leading regional economist who spoke on behalf of the Social Sciences; Dr. Hayden Blades of CARICOM who spoke on behalf of the Agricultural Sciences and Dr. C H D Madagza, the representative of President Odhiambo of the African Academy of Sciences who spoke on "Some Experiences of the African Academy of Sciences".

Strong support for the seminar was provided by the Carnegie Foundation of New York and the private sector of Trinidad and Tobago. During the business session of the seminar, an Interim Executive Committee of the CAS was formed and Professor Ramsey Saunders named Interim President. The Interim Executive Committee was mandated to:

- Invite suitable persons for membership of the Academy
- Prepare and publish the Proceedings of the inaugural meeting
- Revise the draft constitution of the Academy on the basis of reports of working groups
- Organise and call the First Annual General Meeting

Since its inauguration in 1988 the objectives and mission statement of CAS have been established (see back page). From 1988 to the present CAS has had five Presidents and fifteen General Meetings and Conferences in eight different Caribbean territories. The list of Presidents, details of Meetings and others facts about CAS can be found on the back page of this document.

## **The Caribbean Academy of Sciences – Third World Academy of Sciences (TWAS), Young Scientist Award.**

Applications are invited for the CAS-TWAS Young Scientist Award for 2008. The Award is worth US \$2000. The following conditions apply:

1. The Award shall be given to the individual who has done the most to advance the progress of Scientific research as judged by the quality of his/her publications and /or patents in one of the following fields: Chemistry, Mathematics, Life Sciences, Physics and Engineering.
2. The age of the Applicant must not exceed 40 years during the year of the award. He/She must be a resident of the Caribbean region and most of the work for the Award must also have been done in the Caribbean region. An individual can only receive one such award.
3. The recipient of the Award will be expected to make a Scientific Presentation at the 16th Meeting of the Academy to be held in October 2008 in Grenada.
4. Nominations for the 2008 Award (on the required forms) should reach the Office of the CAS Secretariat by July 30<sup>th</sup> 2008. (Visit the CAS website at <http://www.caswi.org> for

## About the Island of Grenada



The state of Grenada, which includes Carriacou and Petite Martinique, is an independent nation within the British Commonwealth. One of the true gems of the Caribbean Sea, the island lies towards the southern end of the Caribbean island chain, (Lat. 12° 05' North and Long. 61° 40' West) with St Vincent to its north and only Trinidad and Tobago being more southerly. The island is 344 square kilometers and has a population of 99 500. The country is headed by a democratically elected Prime Minister while a Governor General represents her majesty the Queen.

Grenada's climate is warm and tropical, tempered by the seasonal north east trade winds. The average daytime temperature is 32° C (88°F) while the average night temperature is 24°C (66°F). The early months are dry and sunny; while June to December is the wet season: generally rain falls in short sharp bursts so that on most days there are many hours of sunshine. While visitors will find it difficult to tear themselves away from the many spectacular beaches and pristine warm blue waters of the Caribbean sea, the island's tropical fauna and flora and lush mountainous interior offers a mouth watering array of other exciting activities and adventures. Ah last, nature lovers of all types including divers, hikers, mountain bikers, birdwatchers and waterfall buffs are beginning to discover this unspoilt piece of paradise known as "The Spice of the Caribbean." Visitors will be enticed by the sweet scents of nutmeg, cinnamon, ginger and vanilla wafting on the balmy breeze. In fact, there are more spices in Grenada per square mile than anywhere else on the planet.

The capital of this tri-island state is St George's with a population of 7500. The language of Grenada is English. Grenada's main economic sectors are tourism, construction and the services sector. Prior to Hurricanes Ivan and Emily in 2004 and 2005 respectively Grenada had a thriving nutmeg industry.

Carriacou is Grenada's Sister Isle, it is the largest island of the Grenadines. The island is 13 sq miles (34Sq. Km). Carriacou is well known for its cultural traditions such as the Big Drum or Nation Dance, Tomb Stone Festival and the Maroon Festival. Boat building, fishing and seafaring is their way of life.



## **The University of the West Indies – A co-sponsor of the CAS Conference**



*St. Augustine Campus, The University of the West Indies*

In 1948 The University of the West Indies (UWI) was founded at Mona in Jamaica. From that humble beginning with 33 students drawn from across the Caribbean UWI now boast an enrolment of over 38,000 students spread across three campuses. The other two campuses are St. Augustine located in Trinidad and Tobago and Cave Hill located in Barbados.

In the 60 years since its inception UWI has contributed significantly to the social and scientific research and development throughout the region. It has Produced one Nobel Laureate, Derek Walcott, eight regional Prime Ministers and many distinguished medical doctors, lawyers, engineers and economists as well as hundreds of leaders for the region's corporate sector.

UWI remains the primer institute of learning in the English Speaking Caribbean. Its three beautiful campuses provide the ideal environments for academic excellence. UWI offers programmes at the undergraduate and postgraduate level in six faculties- Medical Sciences, Engineering, Science and Agriculture, Social Sciences, Law and Humanities and Education. For details of courses/programmes offered on the respective campuses please visit:

Mona: <http://mona.uwi.edu/> ; St. Augustine: <http://sta.uwi.edu/> ; Cave Hill: <http://cavehill.uwi.edu/>

## **St. George's University – A co-sponsor of the CAS Conference**

In 1977, St. George's University founded the first truly international center of medical education. Since that time the University has expanded its educational offerings, adding the School of Veterinary Medicine, the School of Arts and Sciences, and several graduate studies options which include programs in public health, research and the life sciences, and business administration.

Over the last 30 years St. George's has evolved into a world-renowned University on the cutting edge of modern education and has attracted students of the highest caliber from the United Kingdom, the United States, the Caribbean and many other countries.

Located on the southwest corner of Grenada, St. George's University provides unparalleled facilities, support services and an intellectual environment which together, with its high quality faculty, ensures an optimal learning and research setting for its students. St. George's University is an ideal institution for international students. For more information, visit the St. George's University website at [www.sgu.edu](http://www.sgu.edu).



*Aerial view of St. George's University*



## The University Of The Southern Caribbean - A co-sponsor of the CAS Conference

The University of the Southern Caribbean (USC) is a private, coeducational, tertiary institution which operates under the auspices of the Caribbean Union Conference of Seventh-day Adventists. It is located on the La Realista Estate, in the verdant Maracas Valley, which forms part of the town of St. Joseph in Trinidad, West Indies. It stands just ten miles north-east of Port of Spain, the capital city, and is separated from Trinidad's famous Maracas beach by the majestic mountains of the Northern Range. The institution has been in existence since 1927 and presently has a diverse population of over 3,500 students from over 38 countries, thereby fostering an appreciation and acceptance of a rich multicultural experience.

USC boasts a rich heritage as a provider of quality, values-based, holistic education that prepares its students for service and leadership in a global context. Its current course offerings include Graduate, Baccalaureate and Associate Degree programs in the areas of Theology and Religion, Business, Natural Sciences and Technology, Education and Human Sciences, and Social Sciences. USC also offers



*Southern Caribbean University students at an International Cultural Evening*

accredited programs through an affiliation agreement with Andrews University, Berrien Springs, Michigan. A full list of the specific degree programs can be viewed on the university's website at [www.usc.edu.tt](http://www.usc.edu.tt).

## Accommodation

The designated hotel for the conference is The Grenada Grand Beach Resort. Special rates apply to registered conference participants. Participants should allow US \$60.00-100 per day for meals and incidentals. **Delegates are required to book their accommodation directly with the hotel BUT PLEASE REMEMBER to indicate that you will be attending the conference when booking.**



*The Grenada Grand Beach Resort*

**HOTEL RATES:-** Rates are per night, room only and exclude 10% Service Charge & 8% GCT

Room Category	Single Rate (US\$)	Double Rate (US\$)	<b>Grenada Grand Beach Resort</b> (soon to be Crowne Plaza)  Tel: 473-444-4371-5 ext 665 Fax: 473-444-4800
Garden View	\$99.00	\$109.00	
Beachfront	\$150.00	\$170.00	
Grand Beach Front	\$200.00	\$220.00	
Grand Beach Front - 1 Bedroom Suite	\$500.00	\$520.00	
Grand Beach Front - 2 Bedroom Suites	\$700.00	\$740.00	

Transportation will be provided from the airport and back for participants staying at The Grenada Grand Beach Resort. Persons choosing other accommodation may have to make their own transportation arrangements.

## Sight Seeing Tours

Subject to sufficient demand, a number of sightseeing tours will be available to conference participants.

**One-Day Tour to Carriacou:** Carriacou is one of the sister isles that make up the state of Grenada, but the pace of life there is more laid back than on the bigger island. The crystal clear waters and white, sandy beaches are ideal for relaxing or for water sports. Cost of Tour ~US \$150.00 per person. Cost includes: Return Ferry to Grenada, ground transport and lunch.

**City Shopping:** These tours will take visitors to the main sites of interest and the main streets in the city of St. George. The tour will also visit some of the shopping malls. Art, craft, leather goods and our famous spices are interesting mementoes available at very affordable prices. Cost ~ US \$40.00 per person (3hrs).

**Whaling and Dolphin Sightseeing Trip:** This trip takes visitors "out to sea where they can view dolphins frolicking and depending on the time of year whales are also sighted. Cost of Tour ~ US \$75.00 per person (3.5 hrs).

**Tour of Historic St. George's:** This tour takes you through time to discover the hidden treasures of St. George's by viewing Georgian architecture, the museum, Fort George, Fort Frederick and the picturesque Carenage. See our historic churches which were all destroyed by Hurricane Ivan. Cost of Tour ~ US \$60.00 per person (3.5 hrs).

**Island Tour:** The island tour is an excellent way to get a general picture of Grenada. The tour takes you through some of Grenada's parishes where you can glimpse a scenic and panoramic view of the island. You will stop at places of interest, such as a nutmeg processing plant, an old plantation house and our famous Carib's Leap. Cost of Tour ~ US \$100.00 per person (7 hrs).

*Please note that prices for tours may vary and are subject to change.*

## Travel Information

AIR TRAVEL: Grenada has two airports, the Point Salines International airport in Grenada and the Lauriston airport in Carriacou. The islands are serviced directly by the following airlines listed below:

<b>American Eagle</b>	direct from Puerto Rico with connections to major US cities
<b>British Airways</b>	from London via Antigua OR Barbados
<b>Virgin Atlantic</b>	from London
<b>Air Jamaica</b>	direct from New York, Miami via Montego Bay
<b>Excel Airways</b>	from London
<b>LIAT</b>	from the majority of Caribbean Islands
<b>SVG Air</b>	to and from Carriacou

## Conference Time Table

Days 1-2	9th - 10th Oct (8:30 am - 4:30 pm)	Pre-Conference Teachers Workshops
Day 1	9th Oct (6:00 pm - 9:30 pm)	Free public panel discussion on cancer
Day 2	10th Oct (2:00 pm - 5:00 pm)	CAS General Meeting
Day 2	10th Oct (6:30 pm - 9:30 pm)	Cocktail Reception: Free to all Conference and Pre-conference Participants
Day 3	11th Oct (9:00 am - 10:40 am)	Opening Ceremony
Day 3	11th Oct (10:40 am - 4:30 pm)	Main Conference: Oral and Poster Presentations
Day 4	12th Oct (8:30 am - 4:30 pm)	Main Conference: Oral and Poster Presentations
Day 4	12th Oct (6:30 pm - 9:30 pm)	A Taste of Grenada: A cultural exposé featuring Grenada's music and cuisine. Free to all Conference and Pre-conference Participants
Day 5	13th Oct (9:00 am - 4:00 pm)	Meeting of Heads of Academic/Scientific /Training tertiary level institutions and Industry
Day 5	13th Oct**	Shopping, Sight Seeing Tours and Day trip to Carriacou (subject to demand)

\*\*Subject to demand, Shopping, Sight Seeing Tours and Day trips to Carriacou can be arranged on any conference day for the spouses of those attending the conference.

## Registration

Registration for the Conference can be done by MAIL, FAX or e-mail. E-MAIL to: [trevor.alleyne@gmail.com](mailto:trevor.alleyne@gmail.com) OR [wamello@yahoo.com](mailto:wamello@yahoo.com) Note that registration will only be considered to have been completed on receipt of the appropriate fee.

## Registration Fees

<i>(Payable in US dollars)</i>	<b>Before July 31</b>	<b>After July 31</b>
<b>Members</b>	US\$ 175.00	US\$ 200.00
<b>Non-Members</b>	US\$ 225.00	US\$ 250.00
<b>Students</b>	US\$ 50.00	US\$ 75.00

## Entitlements of Fee-paying Participants

In addition to conference literature, payment of conference fees entitles participants to lunch and refreshments served during breaks of the respective activities. The Welcome Cocktail Reception, The Opening Ceremony and 'A Taste of Grenada' cultural night are free to all Registered Participants.

## Method of Payment

Payment can be made by US Dollar Money Order Or Bank Drafts payable to *The Caribbean Academy of Sciences*, Account Number 000-213-064-829 at Republic Bank, UWI Campus, St Augustine, Trinidad and Tobago. Persons holding Trinidadian accounts may pay the US-Dollar equivalent by cheque.

RETURN COMPLETED FORM AND FEES TO:

The Conference Secretariat  
c/o Dr. Trevor Alleyne  
Unit of Biochemistry  
Faculty of Medical Sciences  
The University of the West Indies  
Mt. Hope  
Trinidad and Tobago  
West Indies

Tel: 1-868-662 1873/ 662 9294  
OR: 1-868-645-2640-9, ext; 4643  
Fax: 1-868-662-1873  
E-mail: [trevor.alleyne@gmail.com](mailto:trevor.alleyne@gmail.com)  
OR: [wamello@yahoo.com](mailto:wamello@yahoo.com)

For Conference updates visit the CAS website: <http://www.caswi.org>



# CAS Activity: 1988 to Present

## CAS Chapters

To date chapters exist in the following territories:

Country	Established	President
Guyana	1997	Mr. J Carty Caesar
Guadeloupe	1999	Prof. J L Mansot
Trinidad & Tobago	2001	Prof. W Mellowes
Jamaica	2003	Prof. Tara Dasgupta

## CAS Presidents

Professor Ramsey Saunders	1988 - 1992
Professor Ramsey Saunders	1992 - 1996
Professor Harold Ramkissoon	1996 - 1998
Professor Harold Ramkissoon	1998 - 2000
Professor Willie Chan	2000 - 2002
Professor Winston Mellowes	2002 - 2004
Professor Winston Mellowes	2004 - 2006
Professor Tara Dasgupta	2006 - Present

## CAS Meetings and Conferences

1988 – Trinidad	1994 – Guyana	2000 – Cuba
1990 – Trinidad	1996 – Tobago	2001 – Guyana
1991 – Jamaica	1997 – Barbados	2002 – Jamaica
1992 – Barbados	1998 - Guadeloupe	2004 – Trinidad
1993 – Trinidad	1999 – Suriname	2006 – Guadeloupe