

CURRICULUM VITAE

Stokeley Isidore Smart

Senior Lecturer and Director of the Actuarial Science Programme

Personal Information

DATE OF BIRTH: September 16, 1972

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Professional and Academic Qualifications

- Fellow of the Society of Actuaries (F.S.A.), Society of Actuaries, 2008
- Professional Risk Managers' International Association (PRMIA) Hedge Fund Risk Management course, 2008
- Pension Plan Administration Certificate (P.P.A.C.), Canadian Pensions and Benefits Institute, 2008
- Chartered Enterprise Risk Actuary (C.E.R.A.), Society of Actuaries, 2007
- Professional Risk Manager (P.R.M.), Professional Risk Managers' International Association, 2006
- Bachelor of Laws, Honours (LL.B.), University of London, 1998
- Honours Bachelor of Science (H.B.Sc.), University of Toronto, 1995

Membership in Professional Societies/Bodies

- The Society of Actuaries (SOA)
- The Caribbean Association of Actuaries (CAA)
- Academic Central Member of the Casualty Actuarial Society (CAS)
- Professional Risk Managers' International Association (PRMIA)
- CERA Global Association
- International Association of Actuaries (IAA)

Continuing Education

Completed the four courses required for the Certificate in University Teaching and Learning (CUTL) at the University of the West Indies, St. Augustine (UWISTA). (2020):

- CUTL 5001-Teaching and Learning: Theory-Practice (Grade A, 70)
- CUTL 5104 – Assessment in Higher Education (Grade A, 94)
- CUTL 5106 – Advanced Teaching and Learning with Technology (Grade A, 99)
- CUTL 5207 – Reflective Teaching for Learning (Grade A, 100)

Employment Experience

Senior Lecturer (2013-Present) - Department of Mathematics and Statistics University of the West Indies, St. Augustine, Trinidad

Lecturer in Actuarial Science (2011-2013) - Department of Mathematics and Statistics University of the West Indies, St. Augustine, Trinidad

Director of the Actuarial Science Program Trinidad (2011-Present) - Department of Mathematics and Statistics University of the West Indies, St. Augustine, Trinidad

Lecturer (2006-2011) - Risk Lab, University of Toronto, Toronto, Canada Co-ordinator for the Professional Risk Manager (PRM) certification training program.

Lecturing at the U.W.I. St. Augustine

1. Developed the curriculum and taught the following courses:

- Life Contingencies I (MATH 2115)
- Life Contingencies II (ACTS 3001)
- Mathematics of Finance I (MATH 2211)
- Regression and Time Series (STAT 3000)
- Asset and Liability Management I (ACTS 3004)
- Asset and Liability Management II (ACTS 3014)
- Actuarial Science Project (ACTS 3000)

2. Developed the curriculum for the following courses:

- Loss Models I (ACTS 3003)
- Loss Models II (ACTS 3013)
- Life Contingencies III (ACTS 3012)
- Mathematics of Finance II (MATH 2212)

3. External Examiner for courses in the BSc. Actuarial Science programme at the University of the West Indies, Mona, 2015 – Present:

- MATH2701 - Financial Mathematics I
- MATH3801 - Financial Mathematics II
- MATH3804 - Actuarial Mathematics II
- MATH3805 - Mathematics of Pension Funds
- MATH2702 - Actuarial Mathematics I

4. Created question banks consisting of hundreds of questions for ten of the Actuarial Science courses in the programme. This had to be done so that the courses could be assessed in the online environment using asynchronous randomised multiple-choice questions. This mitigated plagiarism. Over 1000 questions were created across all courses. (2020-2022)

5. Provided to the Dean of the Faculty of Science and Technology, upon request, an algorithm for alternative assessment under the pandemic paradigm that mitigated plagiarism. The algorithm included analytics that demonstrated its effectiveness.

6. Mentored graduates of the BSc. Actuarial Science programme via the Associate Professional and On the Job Training programmes sponsored by the Government of Trinidad and Tobago:

- i. Rolan Mahabirsingh (ASA, 2017) – Associate Professional 2014-15
- ii. Sinead Deokiesingh – Associate Professional 2015-16
- iii. Rafael Guerrero – Associate Professional 2015-16
- iv. Kafi Warner (ASA, 2021) – Associate Professional 2016-17
- v. Kara Sant – Associate Professional 2016-17
- vi. Aneilisse Kalicharan – Associate Professional 2017-18
- vii. Arianna Ali – Associate Professional 2018-19
- viii. Kristal Boodram – Associate Professional 2018-19
- ix. Valsson Tobias – Associate Professional 2018-19
- x. Alisha Estrada – On the Job Trainee 2018-21
- xi. Gabriella Boneo - Associate Professional 2021-22
- xii. Aaisha Jackman - Associate Professional 2021-22
- xiii. Zachary Ramlochan – Associate Professional 2021-22
- xiv. Cyrus Lakhan - Associate Professional 2022 – 23
- xv. Chandini Gunpat - On the Job Trainee 2023-2025
- xvi. Zara-Leigh Lewis - Research Assistant 2025 – Present
- xvii. Avash Persad - Research Assistant 2026 – Present
- xviii. Jadon Felix – Research Assistant 2026 – Present

Lecturing at the University of Toronto

1. Courses taught include:

- Mathematics of Investment and Credit (ACT 240), Summer 2015, 2016
- Mathematics of Finance for Non-Actuaries (ACT 230), Summer 2015

Curriculum Development Activities

1. Actively championed qualification of The University of the West Indies, St. Augustine has qualified for the Society of Actuaries' (SOA) Universities & Colleges with Actuarial Programme – Advanced Curriculum (UCAP-AC) status in March 2026. The UWISTA is one of three universities outside of the United States and Canada in the Western Hemisphere to have the UCAP–AC status.

2. Actively developed and championed the approval for a Minor in Actuarial Science at the Department of Mathematics and Statistics at UWISTA, which will be coming on stream for the 2026/2027 academic year.

3. Actively developing the Actuarial Science programme at UWISTA, to receive exemptions from the Actuarial Society of South African (ASSA). (June 2022 - ongoing)

4. Actively developing the Actuarial Science programme at UWISTA, to receive exemptions from the professional exams of the Institute and Faculty of Actuaries (IFoA). I was the first actuarial academic from a university degree program from Latin America and the Caribbean to be invited to the IFoA headquarters in London, England to discuss the next steps forward in the process. (June 2022)

5. Actively developing the Actuarial Science programme at UWISTA, to become certified as a Centre for Actuarial Excellence (CAE) by the SOA.

6. Chair to develop, get approval, and implement three new advanced elective courses for the Actuarial Science programme as part of the process to ultimately have the programme certified as a Centre of Actuarial Science - Asset and Liability Management II (ACTS 3014), Loss Models II (ACTS 3013) and Life Contingencies III (ACTS 3012). This was completed in 2019.
7. Member of the committee responsible for the construction of the new programme, the BSc in Statistics and Economics.
8. Chair to develop, get approval, and implement a foreign language requirement for the BSc. Actuarial Science degree at the UWISTA in 2016. This predates the new University wide Foreign Language policy (that states that all undergraduate students at UWISTA must take up a foreign language) implemented in the academic year 2022/23.

Professional Activities

1. Appeared as an Expert Witness at the first application of The Smart Tables® at trial in the jurisdiction of Trinidad and Tobago - March 2026
2. The Smart Tables® Logo was successfully trademarked under the Madrid Protocol in March 2026.
3. Volunteered to set and review questions for the SOAs FSA ERM track. January 2026.
4. Served as a judge to review abstracts for the 2026 International Congress of Actuaries in Tokyo, Japan on December 14th, 2025, under the Actuarial Consulting and Life Insurance sections.
5. Launched The Smart Tables® Framework and Website (<https://www.thesmarttables.com/>) in the Main Salon Room at the Office of the UWISTA Campus Principal on December 4th, 2025. Trinidad and Tobago is the first jurisdiction in which The Smart Tables® Framework has been rolled out.
6. Awarded "Special Recognition for Best Team Research" at the UWISTA's 2025 Principal's Research Awards Ceremony for The Mortality Tables Project, November 14th, 2025. The Mortality Tables Project includes:
 - i. Creating Complete Mortality Life Tables for Trinidad and Tobago and Jamaica
 - ii. Creating Complete Mortality Tables for the Employed Population of Trinidad and Tobago
 - iii. The Smart Tables®
7. "The Smart Tables®" was successfully trademarked under the Madrid Protocol in April 2025.

8. Volunteered to be a member of the IAA's Syllabus Review Task Force with a focus on introduction and regulation of Artificial Intelligence in Actuarial Science. 2025

8. Chair of "The Smart Tables®" Working Group which is meant to refine The Smart Tables® methodology. The Working Group has 5 appointees from stakeholder organisations (UWISTA, Law Association of Trinidad and Tobago, Southern Assembly of Lawyers, Judiciary of Trinidad and Tobago, Caribbean Actuarial Association). The

Smart Tables® framework is projected to be rolled out for use in the jurisdiction of Trinidad and Tobago October 2025.

9. Organised a free four-day Pension Mathematics workshop led by Professor Colin Ramsay from the University of Lincoln-Nebraska offered in-person and virtually for students and employed persons in the Caribbean. June 2024.

10. Appointed as the Caribbean Actuarial Association's Delegate to the Education Committee of the International Actuarial Association (IAA) in July 2023.

11. Appointed in July 2023 as Chairman of the Programme Committee for the Caribbean Actuarial Association's 33rd annual conference in Trinidad from November 28th to December 1st, 2023:

- There were 48 presenters from all around the world speaking on a wide array of Actuarial topics in 28 sessions.
- Coordinated with the SOA to have the Associateship Professionalism Course (APC) and CPD Professionalism Course as part of the programme.
- Raised an additional \$100,000 in sponsorship to facilitate the inclusion of second and third year UWI Actuarial Science students as well as select high school students.
- Organized a concert and an after-concert refreshments that second and third year BSc. Actuarial Science students at the UWISTA attended. This afforded students the opportunity to network with professionals and important figures in and out of the Actuarial field.

- Included a student specific session “All Things Actuarial” at the conference where first, second and third year Actuarial Science students as well as select high school students were invited to attend for free. To optimize the outreach opportunity of this event, it was live streamed to high schools and universities both nationally, regionally and internationally to bring awareness to the Actuarial profession and to the Actuarial Science programme at the UWISTA.

- Organized a plenary panel discussion entitled "NIS/Social Security Panel Discussion". The session was designed to bring awareness to the general public of Trinidad and Tobago regarding the impending financial failure of the National Insurance Pension scheme within 10 years. This session was broadcasted on Radio and livestreamed on Zoom and YouTube.

12. Invited by Heriot-Watt University in Kuala Lumpur, Malaysia to present on AXIS implementation into their programme curriculum. This was done in-person to the faculty in Kuala Lumpur and simultaneously virtually to faculty of the Edinburgh campus of Heriot-Watt. I discussed cross collaboration opportunities with their faculty and presenting some of my research related projects. (May 2023)

13. Member of the Programme Committee for the 32rd annual Caribbean Actuarial Association’s (CAA) conference in Barbados of December 2022.

14. Moderated the following sessions at the CAA’s conference in Barbados, December 2022:

- “Crypto and Blockchain Talks” session where there were three presenters:
 - (i) Mr. Avinash Persaud – Crypto and Blockchain from a regulatory perspective.
 - (ii) Mr. Danish Chaudhry – Crypto and Blockchain from a trader’s perspective.
 - (iii) Professor Sebastian Jaimungal (University of Toronto) – Automatic Market Makers (AMMs), features of the markets, intraday patterns of trading, and the optimal execution problem in AMMs.
- “Scenario Weights for Importance Measurement (SWIM)” session presented by Dr. Silvana Pesenti (University of Toronto).
- “Reinsurance/Coinsurance Portal Concept for Optimizing Regional Reinsurance Capacity” session presented by Mr. Edward Villas.

15. Drafted and precipitated the signing of an MOU between the University of the West Indies, St. Augustine and the National Insurance Board of Trinidad and Tobago. (2019)
16. Drafted and precipitated the signing of an MOU between the University of the West Indies, St. Augustine and the Caribbean Court of Justice. (2016)
17. Organised at the UWISTA an Actuarial Science Seminar and Jazz Concert with Professor Samuel Broverman in April 2016.
18. Organised for Professor Samuel Broverman (Head of Actuarial Science at the University of Toronto) to visit the UWISTA, to assess and write a report on the BSc. Actuarial Science programme and to be an external examiner for some of the courses offered in this degree. Professor Broverman's recommendations in his report included the hiring of an additional (third) member of the academic faculty for the Actuarial Science programme and the creation of three additional elective courses for the programme. (2016)

Other Departmental, Faculty and University Duties

1. Invited by the Principal, Professor Rose-Marie Belle Antoine, to serve on The UWI St. Augustine Campus' Financial Investments Operating Committee. Other members of this committee include Nigel Edwards, Managing Director of the Unit Trust Corporation and Maria Daniel, Managing Partner EY-Parthenon Caribbean. (2025 - present)
2. At the request of the Vice-Principal Professor Derek Chadee, presentations were made to the Faculties of Medical Sciences, Sports, Science and Technology, Law and Food and Agriculture to encourage the adoption of the SAE efficiency algorithm across the St. Augustine campus. (refer to point 8)
3. At the request of the chair of EQAC, co-authored the Smart-Ali-Estrada-Thomas (SAET) Algorithm which is a variant of the SAE algorithm specific to the Department of Life Sciences (see point 8). (2024 - present)
4. Appointed by the Principal to be Chairman of the Tuition Fee Increase Committee. The F&GPC unanimously accepted the Committee's initial fee increase recommendations in April 2023. This will add approximately twenty-eight million dollars (\$28 M) in additional revenue for the University when implemented. (2022- present)

5. Appointed by the Principal to be Chairman of the Group Health Benefits Committee to review and analyse traditional and self-insurance options for the renewal of the University's Group Health Benefits plan, which expires in June 2024. I created actuarial analytical algorithmic tools to better assist the committee in the decision making process. These actuarial tools included self-insurance analysis models and benefits comparison frameworks which contributed to 2.3 million dollars of savings to the University and enhancements to the group health benefits. (2022 - 2024)
6. Implemented and upgraded AXIS software training in Life Contingencies II (ACTS 3001). For the first time, students were given access to the software through their personal computers as well as through computers at the lab on campus. An AXIS assignment was designed and incorporated as part of the assessment for the course.
 - a. Moody's Analytics arranged for a Global Trainer, Ms. Lan Tong, to provide tutorials for the students both in-person and virtually. (2022)
7. Member of the three-person panel to choose the recipients of the Fullerton Long Scholarships. The other members of the panel include Mr. Norbert Fullerton (FIA) and Mr. Andrew Long (FIA). (2021 – present). The scholarship awards three UWISTA students with TT\$30,000 every academic year.
8. Chair of the Department of Mathematics and Statistics Committee tasked with identifying a replacement for the vacant Lecturer in Actuarial Science position. I have provided extensive recommendations on the requisite qualifications for the new lecturer so that the Actuarial Science Programme meets the criteria of the SOA to become a Centre of Actuarial Excellence. Additionally, I drafted the amended advertisement that was placed in May 2024. (2021 – 2025).
 - a. Ultimately, we chose Mr. Brendon Bhagwandeem, a 2015 graduate of the UWISTA Actuarial Science programme.
9. Awarded a certificate of achievement by the Guild of Students of UWISTA for being the most outstanding club Faculty Advisor at the university for the academic year 2021/22.
 - a. This was for my role as faculty advisor for the Actuarial Science Club.
10. Co-Author of the Smart-Ali-Estrada (SAE) Algorithm that rapidly generates a standardized Exam Assessment form and First Examiner's Report for all courses in the FST. (2019 - present) . This tool has been adopted by the FST and will save \$160,00 a year and 984 man hours a year.

11. Faculty Advisor for the UWI Biological Society. (2018- 2020).

12. Faculty Advisor for the UWISTA Actuarial Science Club since its inception. (2014 - ongoing)

List of Research Activities

1. In the process of co-authoring “The Kangaroo Case Companion to The Smart Tables®”, a book on quantifying damages in personal injury loss of earnings cases in the development world which will include “The Smart Tables®”, a research project for which I am the principal investigator. (March 2026)
2. Principal investigator for the “Complete Population Mortality Tables for Barbados”. (2026)
3. Principal investigator for the “Actuarial approaches to sustainable domestic energy consumption in Trinidad and Tobago”.
4. Principal investigator in the development of a multidimensional sustainable model for Tertiary education funding at the UWISTA that will provide a solution for the current unsustainable Government Assisted Tertiary Education (GATE) programme. The Government of Trinidad and Tobago currently owes the UWISTA \$200 million dollars in GATE liabilities. This work was submitted for publication to The International Journal of Educational Development. Manuscript Number: EDEV-D-25-03870
5. Co-author of a journal article "Quality of Life Among Stone Patients with Urolithiasis in Trinidad". This article has been submitted for publication in the BJUI Compass Journal (2025). Manuscript ID: BCO2-2025-008
6. Principal investigator of an actuarial consulting exercise to assess risk exposure and recommend tailored insurance coverage for accountants in Trinidad & Tobago. Applied actuarial techniques to analyse liability risks and determine appropriate dual-rate coverage for Public Interest Entity (PIE) and Non-PIE clients. Conducted comparative research on regional and international insurance frameworks to refine recommendations. Developed a structured risk assessment matrix to align insurance coverage with exposure levels for product liability, public liability and professional indemnity insurance. Fifteen percent of my consulting fees went to the DMS which totalled to \$3,825 TTD. (2025)
7. Invited by Professor Sebastian Jaimungal to continue ongoing work on stochastic control problems in emerging electronic markets – including Trinidad and Tobago’s. Professor

Jaimungal and I concluded phase I of the automation of the Limit Order Book for the Trinidad and Tobago Stock Exchange. Hired Mr. Dmitri Lezama (for the period of June - September 2024) to work on this project through the DCIT's summer internship programme. This programme allows students to get valuable work experience and a monthly stipend of \$2500 TTD, as well as earning 6 credits towards their degree. Mr. Lezama's final grade for his work on this project was an A+. (2022 - 2025)

8. Principal investigator in the development of a Purchasing Power Parity Matrix for the Caribbean Court of Justice. This was a corollary project through the pricing project with the CCJ to assist with their adjustments for exchange rates variations across the nations within the CCJ's jurisdiction. (2021)
9. Leader of the University of the West Indies, St. Augustine's component of the Caribbean Actuarial Association's (CAA) COVID-19 modelling team that provided support to the Government of Trinidad and Tobago during the ongoing pandemic crisis. (2020 – 2021)
10. Principal investigator in the investigation of the relationship between the social issues of crime, chronic diseases and mental development of children as it relates to potable water quality in different geographic locations in Trinidad and Tobago. (2019 – ongoing).
11. Principal investigator in 'Constructing Complete Mortality Tables for the Employed Population of Trinidad & Tobago' using data and data provided by the National Insurance Board of Trinidad and Tobago. (2018 – ongoing). The first draft of these tables has been peer-reviewed by an actuarial practitioner and will be submitted to the NAAJ upon completion.
 - a. We have supplied drafts of these tables to the insurance/ consulting firms Oliver Wyman, Valani Global, Sagicor Jamaica, KR Services Limited, Eckler and Apex Consulting Limited.
12. Principal investigator in the creation of a database of the mean ages of attainment of various tooth developmental (mineralization) stages. This will allow for the estimation of chronological age in both the ethnic specific Afro-Trinidadian and Indo-Trinidadian groups. This database will also serve as a bank of objective data which would have numerous applications in Forensics, Dentistry and Medicine (2018 – ongoing).
13. Principal investigator in the re-pricing of the Caribbean Court of Justice's (CCJ) Electronic Case Management System (ECMS). This project was precipitated at the request of the then President of the CCJ Sir. Dennis Byron. Appropriate fee structures were determined by using actuarial techniques of pricing, asset/liability management, and valuing of cash flows. Break-even cost needs to be recouped to ensure sustainability, using scenario analysis. The CCJ has already implemented the recommendations of this project to change the pricing of jurisprudence within the CCJ's jurisdiction. (2016 – 2021).

Publications

- The Smart Tables® Framework was used in its first judgment in the jurisdiction of Trinidad and Tobago. Reference to the framework appeared in paragraphs 54 to 63 of CV 2021-03996. (May 2026)
- <https://www.tandfonline.com/doi/full/10.1080/23322969.2026.2679758> - "Towards sustainable tertiary education funding in Trinidad and Tobago: integrating sin taxes, education savings plans and income-contingent loans", Taylor and Francis Online. (May 2026)
- <https://www.tandfonline.com/doi/full/10.1080/10920277.2025.2546881> - "Creating Complete Mortality Life Tables for CARICOM: The Cases of Trinidad & Tobago and Jamaica", The North American Actuarial Journal (NAAJ). (September 2025)
- <https://www.emerald.com/insight/content/doi/10.1108/qae-02-2025-0037/full/html> - "The INSPIRE framework for transformative and inclusive education: a case study of the science faculty at a Commonwealth university", Emerald Insight. (April 2025)
- https://trinidadexpress.com/news/local/a-risk-assessment-committee/article_6da6cef1e71f-5190-9947-052bbb3a5216.html#google_vignette - 'Why the Financial Services Industry Needs a Risk assessment Committee'. Trinidad and Tobago Express Business Section. Citations: 1 (April 2012)
- 'Transport Fatalities in T&T are 300% hike in cyclist fatalities in 2018'. Trinidad and Tobago Express Business Section. Citations: 1 (December 2018)

Media Contributions that Highlight the Actuarial Career

- Selected as actuvview's speaker of the month (June 2026) (<https://actuvview.com/news/11850>)
- Making the Scales of Justice More Even: The Smart Tables® tool set to modernise judicial decisions UWI Today Article. March 2026. <https://sta.uwi.edu/uwitoday/article10.asp>
- The Smart Tables®: A transformative tool for judicial financial decisions - UWI Today article. February 2026.
- Interview for the IAA Life Section (IAALS) Interview Series was published on Actuvview (<https://actuvview.com/videos/iaals-interview-series-episode-7-with-stokeley-smart-4943>). December 2025.

- Interactive Flipbook - UWI Today | March 2025 – “Know that Success is within your reach” (page 7, 2025)
- CAA January 2024 Newsletter by CaribbeanActuarialAssociation - Issue – “Highlighting Actuarial Excellence ” (page 3, 2024)
- The Art of Science and Pension Mathematics – UWI Today article. August 2024
- <https://www.caribbeanactuaries.com/news-centre/nurturing-aspirations-a-studentperspective-on-the-seminar-with-mr-robinson-and-caa-conference-2023-by-dayanand-mmooonoo> - “Nurturing Aspirations: A Student Perspective on the Seminar with Mr. Robinson and CAA Conference 2023 by Dayanand M Moonoo” (2024)
- <https://www.soa.org/sections/international/international-newsletter/2024/march/isn-2024-03-robinson/> - “An Experience with My Caribbean Actuarial Family” (2024)
- Without change, NIS faces depletion - Trinidad Guardian – “Without change, NIS faces depletion” (2023)
- UWITodayDecember2023.pdf – “JOHN ROBINSON From UWI grad to leader of the world’s largest actuarial society” (page 6, 2023)
- <https://youtu.be/6GYXLsIFzak?si=pvHmF81ic6rHnq2V> – “Seminar with The President of the Society of Actuaries Mr. John Robinson” (2023)
- UWITodayMay2023.pdf – “The UWI Graduate Toni-Marie Bobart joins prestigious Society of Actuaries” (page 5, 2023)
- https://www.instagram.com/p/CsYLk3WMRA_/?hl=en
- UWI Actuarial Science Students Receive Scholarships From Fullerton-Long Caribbean Foundation – “UWI Actuarial Science Students Receive Scholarships From FullertonLong Caribbean Foundation” (2023)

- UWI Actuarial Students Shine – “UWI Actuarial Students Shine” (2023)
- <https://sta.uwi.edu/news/releases/release.asp?id=22373> – “UWI Actuarial Science Students Awarded IFoA Foundation Fullerton-Long Caribbean Scholarships” (2022)
- UWI Today – “Toni-Marie Bobart is second UWI to become an Associate of the Society of Actuaries” (2019)
- Creating an actuarial centre of excellence | Local Business | trinidadexpress.com, - “Creating an actuarial centre of excellence” (2018)
- UWI Today August 2018 – “Measuring and Managing Risk Pays Off” (2018)

Papers Presented at Conferences and Seminars

1. Abstract accepted for the 2026 International Congress of Actuaries in Tokyo, Japan on December 14th, 2025, “Construction of the First Complete Mortality Tables for the Employed Population of Trinidad & Tobago”. Of the 637 applications, 5 were accepted to be presented from the Caribbean.
2. Presented at the Caribbean Actuarial Association’s 35th Annual Conference at the Ocean Coral Spring Resort in Trelawny, Jamaica on the December 12th, 2025, “Sustainability & Mortality: a Match Made in Heaven?”. (December 2025)
3. Presented at the UWISTA’s 2025 Principal’s Research Awards Ceremony at the Engineering Lecture Theatre on November 28th, 2025, “The Smart Tables®”.
4. Presented at the UWISTA’s 2025 Principal’s Research Awards Ceremony at the Engineering Lecture Theatre on November 27th, 2025, “Actuarial Approaches to Energy Sustainability in Trinidad and Tobago”.

5. Presented at the 2nd Actuarial, Finance, Risk and Insurance Congress (AFRIC 2) at the Masai Mara National Reserve, Kenya on June 11th, 2025, "Creating Complete Mortality Life Tables for CARICOM: The Cases of Trinidad & Tobago and Jamaica". (2025)
6. Presented, with Mr. Kyle Rudden at the International Actuarial Association's 2025 Joint Colloquium, in São Paulo, Brazil on May 21st, 2025, "Application of Actuarial Techniques in Sustainability Reporting with Particular Focus on Non-Traditional Applications in Developing Markets". (2025)
7. Presented, with Madame Justice Nadia Kangaloo and Mr. Kyle Rudden, 'The Smart Tables® Development of Actuarial Loss of Earnings Tables for the Caribbean' at the Law Association of Trinidad and Tobago Inaugural Law Conference. (2024)
8. Presented, with Madame Justice Nadia Kangaloo and Mr. Kyle Rudden, 'The Smart Tables® Development of Actuarial Loss of Earnings Tables for the Caribbean' to the Judicial Education Institute of Trinidad and Tobago (JEITT). (2024)
9. Presented, with Madame Justice Nadia Kangaloo and Mr. Kyle Rudden, 'The Smart Tables® Development of Actuarial Loss of Earnings Tables for the Caribbean' at the 2024 General Legal Council (GLC) of Grenada virtual Seminar, (2024)
10. Moderated and Presenter of 'All Things Actuarial' at the Caribbean Actuarial Association Conference in Trinidad. (December 2023)
11. 'Indigenous Mortality Table Construction for Trinidad & Tobago and Jamaica'. Caribbean Actuarial Association Conference in Trinidad (December 2023)
12. Presented, with Madame Justice Nadia Kangaloo and Mr. Kyle Rudden, 'The Smart Tables® (Phase II) Development of Actuarial Loss of Earnings Tables for the Caribbean' at the 2023 Caribbean Actuarial Association (CAA) 33rd Annual conference. This was peer reviewed by Mr. Chris Daykin, a Fellow of the Institute and Faculty of Actuaries and former Chief Government Actuary for the United Kingdom and Justice Martha Alexander who served as a Master of the High Court in Trinidad and Tobago.

13. Presented, with Madame Justice Nadia Kangaloo and Mr. Kyle Rudden, 'The Smart Tables® Development of Actuarial Loss of Earnings Tables for the Caribbean' at the 2023 International Congress of Actuaries (ICA), Sydney Australia. This was peer reviewed by Mr. Chris Daykin.

14. Presented with Mr. Andrew Peterson (Senior Director – International, SOA) at the 6th African Actuarial Congress in Accra, Ghana in June 2022:

- 'Beyond the Formulae – Incorporating Modelling and Analytics Content in Actuarial Courses at The University of the West Indies, St. Augustine'
- 'The Importance of Analytics in Actuarial Education'

15. Peer reviewed the following presentations:

- 'Asset-Liability Mismatch: The Search for Yield in Pension Plans'. Vanita Maharaj. Caribbean Actuarial Association Virtual Conference 2020. (December 2020)
- 'The Big 4: Non-Communicable Diseases & Caribbean Mortality'. Jamie Taylor. Caribbean Actuarial Association Virtual Conference 2020. (December 2020)

16. Presented, with Mr. Andy Edwards (Chief Operating Officer of the National Insurance Board, ASA), 'Zombie Hunts and Other Adventures in the Construction of a Trinbagonian Mortality Table' at the 2019 Caribbean Actuarial Association Conference in Curaçao. Peer reviewed by Mr. Simone Sutcliffe (FIA and Partner at Bacon Woodrow & De Souza Limited) (December 2019)

17. 'The "Anythingness" of Actuarial Science'. Caribbean Actuarial Association Conference in Curaçao (December 2019)

Grants

1. The Board of the CAA approved funding for the Sustainability Project: Tertiary Education Funding and Domestic Energy Policy in Trinidad and Tobago, in the amount of \$3,500 USD. (2026)
2. The Board of the CAA approved funding for Phase-II of the Caribbean Mortality Tables Project in the amount \$10,000 USD. (2025)
3. Travel bursary from the CAA in the amount of \$2000 USD to attend the IAA council and committee meetings at JoCo 2025 as the CAA's education delegate to the IAA.

4. Bursary from the IACA Section in the amount of \$650 USD CAD for the JoCo 2025 conference fee.
5. 'The Smart Tables®' project is the first recipient of a research grant for an amount of \$50,000 TTD from the Caribbean Actuarial Association (CAA) in its 33 years of existence. (2024)
6. Rudden-Smart Actuarial Research Grant in the amount of TTD\$50,000 for The Smart Tables®. (2023)
7. Bursary from the IAA in the amount of \$1000 CAD for travels expenses and the waiver of the conference fee of \$2,694.60 CAD. (2023)
8. Bursary from the CAA in the amount of \$800 USD for the fee of their annual conference in Trinidad and Tobago. (2023)
9. Awarded a grant of \$42,000 TTD from School of Graduate Studies and Research at the UWISTA for a research project that I am Principal Investigator (refer to 10. under 'List of Research Activities'). (2019)

Outreach

1. Trinidadian co-ordinator for the first Rubik's Cube competition held in Trinidad and Tobago which will be hosted by the World Cube Association and the University of the West Indies, St, Augustine on April 25th, 2026. Registration had to be closed off at 72 competitors due to limited space.
2. Organized, in conjunction with the UWI Actuarial Science Club, the "Recognition Ceremony for Mrs. Sasha Woodroffe-Hanoman and Mr. Brendon Bhagwandeem". This event was to honour the achievements of Mrs. Sasha Woodroffe-Hanoman — the first regional graduate from the Co-operative Republic of Guyana, and likely the only Guyanese citizen physically in Guyana, who is a Fellow of the Society of Actuaries (SOA) and Mr. Brendon Bhagwandeem — the first graduate of the Actuarial Science Programme at St. Augustine, to become a full-time Faculty member and Lecturer in Actuarial Science at the Department of Mathematics and Statistics. I raised \$14,300 in sponsorship to fund this event. (2026)
3. Organized seminar with Mr. Brandon Deyalsingh (Chief Actuary at Colina Insurance Limited) for the second and third year actuarial science students on Actuarial Professionalism and Standards. (2026) Recording of the Seminar: <https://sta-uwi-edu.zoom.us/rec/share/fLYoxnVKAN7mYdm2EbpSgx8c3akFdfK-ii6bleE532-60ekrBIGRxTcVnCIhQSA.ULPtnxsNMLlvmOud?startTime=1773321254000>
4. Organized, in conjunction with the UWI Actuarial Science Club, the "Recognition Ceremony for Mr. Resan Pakeerah" on becoming the first graduate of the BSc. Actuarial Science to become a

Fellow of the Institute and Faculty of Actuaries (FIA). I raised \$14,700 in sponsorship to fund this event. (2025)

5. Organiser of the UWIASC virtual Seminar with Mr. David Dillon (SOA President Elect) (2025). This webinar was attended by students and professionals from across the Caribbean, Costa Rica, Malaysia, Greece, Senegal, Ghana, Canada and the US. A recording of the event is available on the UWIASC's YouTube channel. (2025)
<https://stauwiedu.zoom.us/rec/share/BGSXtXAYZ9t6kqtEXTFCGQi8gvTBJUgjC5RvAVivrLJearKRbiZmhvrY4CfC3-9.GQ3APr1osC2YyUgd>
6. Organizer of an in-person Seminar with Mr. Darryl Wagner (Principal at Deloitte Consulting) in conjunction with the UWIASC. This seminar was live-streamed to University and High School students in the Caribbean, Canada, USA, Africa and India. I raised \$14,200 in sponsorship to fund this event. A recording of the event is available on the UWIASC's YouTube channel. (2025)
<https://youtube.com/live/kSEKXiIFOXl?feature=share>
7. Organiser of an in-person Seminar with Mr. Ronald Poon Affat (FSA, FIA, CFA, Managing Editor for the SOA Reinsurance Newsletter), to provide insight into the SOA exams, reinsurance, employability and to discuss pathways on becoming an actuary. Over 50 actuarial science students were in attendance. I raised \$7,000 in sponsorship to fund this event. (2025)
8. Organiser of the Seminar with Mr. Ryan Toby (General Manager of the Trinidad and Tobago Insurance Limited (TATIL)) to provide career advice for students pursuing the BSc. Actuarial Science and other interested university students. (2024)
9. Organizer of the in-person Seminar with Mr. John Robinson (Immediate Past President of the SOA) in conjunction with the UWIASC. This seminar was live-streamed to University and High School students in the Caribbean, Canada, USA, Africa, India and Malaysia. I raised \$20,000 in sponsorship to fund the event. A recording of the event is available on the UWIASC's YouTube channel. (2023)
10. Organized, in conjunction with the UWI Actuarial Science Club, the "Recognition Ceremony for Ms. Toni-Marie Bobart" on becoming the first graduate of the BSc. Actuarial Science to become a Fellow of the Society of Actuaries (FSA). (2023)
11. Organiser of the UWIASC virtual Seminar with Mr. Andrew Long (Managing Director at Wills Towers Watson) and Mr. Resan Pkaerah (Actuarial Analyst at the The Maritime Financial Group) showing the path to professional certification through the Institute of Faculty of Actuaries. (2022)

12. The only actuarial academic from the Western Hemisphere to present at the sixth African Actuarial Congress in Ghana. In my presentation, I highlighted the opportunity for students at African universities pursuing actuarial science to come to UWISTA on exchange. (2022)
13. Organiser of a virtual Seminar with Ms. Sarayyah Baksh FCAS (Senior Casualty Pricing Actuary at Chubb) to provide career guidance related to the General Insurance Industry for students pursuing the BSc. Actuarial Science and other interested university students. (2021)
14. Co-sponsor for the Dr. Robin Antoine Prize Awarded for the Best Year III Performance in Actuarial Science in the Department of Mathematics and Statistics. (2021)
15. Raised \$3,500 in corporate sponsorship to underwrite the entire cost of the virtual UWISTA Department of Mathematics and Statistics Math Fair (2021).
16. Organiser of the Seminar with Mr. Ronald Poon-Affat (Chief Executive Officer of RGA Brazil, FIA) to provide career guidance for students pursuing the BSc. Actuarial Science and other interested university students. (2020)
17. Created and presented "The Anthingness of Algorithms" for the Department of Mathematics and Statistics' annual 'Math Fair' to acquaint high school students to the wide-ranging real-world application of mathematics. (2019 – ongoing)
18. Organiser of the Seminar with Ms. Wendy John (Senior Vice President, Managing Director Fidelity Investments, Durham NC) to provide non-traditional career advice for students pursuing the BSc. Actuarial Science and other interested university students. (2019)
19. Raised \$22,000 in corporate sponsorship for the Faculty of Science and Technology (FST) Week. (2019)
20. Department of Mathematics and Statistics Outreach Member- Raised \$13,600 in sponsorship from the Caribbean Actuarial Association for the Trinidad and Tobago Mathematics Olympiad team. (2019)
21. Raised \$10,000 in sponsorship for the Department of Mathematics and Statistics' Math Fair. (2019)
22. Organiser and sponsor of the Recognition of Accomplishment Event for Sarika Chin Fong on becoming the first graduate of the BSc. Actuarial Science to become an Associate of the Society of Actuaries (ASA). I provided \$6,000 TTD to fund this event (2018)
23. Founder and sponsor of the 'Professor Sam Broverman Prize for best Average Performance in Mathematics of Finance I and II' in the Department of Mathematics and Statistics. Every academic year \$1,000 is awarded to the student receiving this prize. (2016 – ongoing)

24. Organiser of Professor Samuel Broverman's (Head of Actuarial Science at the University of Toronto) Jazz Concert and Lecture. (2016)
25. Founder of the Annual Seminar in Excellence for Actuarial Science students and other interested university and secondary school students. (2015 – ongoing) Speakers have included:
- Kyle Rudden (Managing Director of KR Consulting, FSA)
 - Justice Nadia Kangeloo (Justice of the High Court of Trinidad and Tobago)
 - Anthony Smart (Chairman of First Citizens Bank and Former Attorney General of Trinidad and Tobago)
 - Janelle 'Penny' Commissiong (Miss Universe 1977 and Chairperson of Trinidad Tourism Limited)
 - Sean Sam Chee (Pharmaceutical Magnate)
 - Amol Golikri (Senior Executive at First Citizens Bank)
 - Rohan Kalicharan (Partner at Bacon Woodrow and DeSouza, FIA)
 - James Camacho (Actuary at Sagicor, FIA)
 - Professor Rose-Marie Antoine (Dean of Faculty of Law, U.W.I. St. Augustine)
 - Joseph Rahael (Managing Director - Real Estate at ANSA McAL Limited)
 - Mr. Etienne Charles (World-class Musician and Associate Professor at the University of Miami)
26. Created a database that tracks every BSc. Actuarial Science graduate since inception. The database tracks employment and professional exam progress. (2015 – ongoing)
27. Connecting students (both at the UWISTA and the University of Toronto) with industry professionals through dinners hosting the respective parties. (2013 – ongoing)
28. Facilitate internships for Actuarial Science students with the local private and public sector. (2013 - ongoing)
29. Regularly visit various secondary schools all around Trinidad and Tobago, to educate Fourth, Fifth and Sixth-Formers about Actuarial Science and publicize the UWI degree in Actuarial Science as part of the Outreach Committee. (2011 – ongoing)