

### **Tertiary Education**

- The Queen's University of Belfast – Bachelor of Science in Civil Engineering, 1961
- The University of Leeds – postgraduate Diploma in Concrete Technology, 1964

### **Professional Affiliations**

- Fellow – The Royal Academy of Engineering (UK)
- Fellow and Past Vice President – The Institution of Structural Engineers (UK)
- Fellow – The Institution of Civil Engineers (UK)
- Fellow – The American Society of Civil Engineers (USA)
- Fellow and Past President – The Barbados Association of Professional Engineers
- Fellow – The Association of Professional Engineers of Trinidad and Tobago
- Fellow – The Royal Society of Arts, Manufactures & Commerce (UK)
- Fellow – The Royal Institute of Chartered Surveyors (UK)

### **Positions Held**

- Ambassador to the Americas for The Institution of Civil Engineers (2018-present)
- Member of the Barbados Engineers Registration Board (2018-present)
- Chairman of the Board of Trident Insurance Company Ltd (2017-2019)
- MCC Endorser (for candidates for membership of the Marylebone Cricket Club) (2017-present)
- Member of the Governing Board of the Global Earthquake Model (representing IStructE) (2011-2013)
- Member of the Executive Board and Trustee of The Institution of Structural Engineers 2011-12
- Member of Council of The Institution of Structural Engineers 2009-11 (elected to represent all countries excluding the United Kingdom, the Republic of Ireland and Hong Kong)
- Member of the 5-person Scientific Planning Group on Natural Disasters of the International Council for Science (regional office for Latin America and the Caribbean) – 2007-8
- Secretary General, Council of Caribbean Engineering Organisations (2005-2020)
- Chairman, Caribbean Division of The Institution of Structural Engineers (2004-2007)
- Member – Disaster Mitigation Advisory Group on Hospital Safety set up by PAHO, (2003-present)
- Chairman – Advisory Committee (to the Minister) on the establishment of the Barbados Building Standards Authority (1998-2006)
- Chairman – Wind Loads Code Committee, Council of Caribbean Engineering Organizations (1969-present)
- Director – American Association for Wind Engineering (2000-2004)
- Member – International Codification Forum on Wind Loading Standards (1999-2004)
- Representative (Eastern Caribbean and Trinidad & Tobago) – The Institution of Structural Engineers (1974-2004)
- Associate Project Manager – Caribbean Uniform Building Code (1982-85 & 1995-1999)
- Member of the (6 person) International Experts Committee on Disaster Mitigation for Hospitals sponsored by the Pan American Health Organisation – PAHO/WHO (1997-98)
- Vice President – The Institution of Structural Engineers (1990-91)
- Deputy Chairman – National Council of Science and Technology, Barbados (1984-88)
- Chairman – Barbados Metrication Board (1975-80)
- President – The Barbados Association of Professional Engineers (1973-74)
- Director – Board of Golden View Condominium (1989-94)

- Chairman – Arawak Cement Company, Barbados (owned by the Governments of Barbados and Trinidad & Tobago) (1987-90)
- Chairman – National Selection Committee, The Barbados Squash Rackets Association (1984-89)

## **Engineering Career**

- Norman & Dawbarn (architects and engineers) - Assistant Site Engineer, buildings and civil works for the Faculty of Engineering, University of the West Indies, St Augustine, Trinidad (1961-62)
- Ove Arup & Partners (consulting engineers) - Assistant Design Engineer and (latterly) Resident Engineer for Phase I piling, Barbican Development, The City of London, England (1962-63)
- Ove Arup & Partners - Assistant Design Engineer, Head Office, London (1964-65)
- Caribbean Construction Company (Kier Ltd) - Site Engineer, Newport West, Jamaica (1965)
- David Key Associates - Associate and (latterly) Partner, in charge of the Barbados office (1965-70)
- Consulting Engineers Partnership Ltd - Director in charge of the offices in Barbados (1970-1996), St Vincent (1989-2002), Dominica (1969-71), St Kitts (1991-2002)
- Consulting Engineers Partnership Ltd (Grenada, St Vincent, Barbados, Dominica, St Kitts); CEP Ltd (Trinidad); CEP International (Godalming, Surrey, UK); CEP Research (Bristol) - Director (in the Caribbean practices) and Partner (in the UK practices to 2001) from 1968 (or the start of the practice) to 2002
- Consultant to CEP in Barbados (from 1996); in Trinidad (from 1998); in Grenada and Dominica (from 2002)

## **Special Interests (professional)**

- Reinforced and prestressed concrete
- Thin shell and folded-plate structures
- Designing against natural hazards (hurricanes and earthquakes)
- The inter-relationship between catastrophe insurance and engineering
- Collaborative design in multi-disciplinary teams
- Mitigation of climate change and adaptation to climate change

## **Assignments**

- Reference is made to the CEP brochures accompanying this document (*or available on request*). Over 2000 assignments have been carried out by the offices headed by Tony Gibbs since 1965. Mr Gibbs was personally responsible for many of these projects. The brochures illustrate a small sample of CEP's work, including some by Tony Gibbs.
- Mr Gibbs has acted as an advisor to the Pan American Health Organisation / World Health Organisation for about three decades in the fields of structural and civil engineering with particular reference to the issue of safe hospitals in regions subjected to earthquakes and hurricanes and, latterly, to issues related to climate change. He was part of the team which developed the Hospital Safety Index of PAHO/WHO and has applied the Index tool to several facilities.
- Mr Gibbs was responsible for assessing the safety of structures and architectural elements of several critical facilities, including (in 2009-2010) the 6 largest public hospitals in Trinidad & Tobago
- Mr Gibbs is currently participating in a major SMART Hospitals initiative addressing the multiple issues of safety, climate change and sustainability.
- Mr Gibbs' particular interest in codes and design against natural hazards is outlined in the catalogue of projects, papers and conferences on these subjects forming an appendix to this

- document (*or available on request*).
- Mr Gibbs was the sole arbitrator for the 1985-86 arbitration on the dispute between the National Gas Company of Trinidad & Tobago and the Omega-Dipcon Joint Venture.
- Mr Gibbs was a member of the (UK) Joint Board of Moderators' team carrying out the accreditation of The University of the West Indies' civil engineering BSc degree programme (1995)

## Awards

- Companion of Honour of Barbados (CHB) – 2020
- Lifetime Achievement Award from The Institution of Structural Engineers (UK) – 2019
- Honorary Member of the Trinidad & Tobago Institute of Architects “in recognition of your distinguished and outstanding record of achievements both in your own field together with your support, recognition, encouragement and promotion of the profession and practice of architecture in Trinidad & Tobago, the Caribbean and internationally” – (2012)
- Named on the list of Caribbean ICONS in Science, Technology & Innovation of the National Institute of Higher Education, Research, Science and Technology (Trinidad & Tobago) – (2010)
- Sasakawa Award for Disaster Reduction from the UN International Strategy for Disaster Reduction – Joint Laureate for 2007
- Lewis Kent Award for “Services to Structural Engineering and to The Institution of Structural Engineers for Three Decades” - The Institution of Structural Engineers (UK – 2003)
- Award of “Career of Excellence in Engineering” – Association of Professional Engineers of Trinidad & Tobago (1998)
- International Award “For Your Very Significant Contributions to Hurricane Loss Reduction and Hurricane Safety in the Caribbean” – US National Hurricane Conference (1991)
- Award “In Recognition of Your Contribution to the Advancement and Promotion of Structural Engineering in the Caribbean” – The Barbados Association of Professional Engineers (1991)
- Commonwealth Scholarship - postgraduate studies at The University of Leeds, 1963-64 (chosen to reply, on behalf of the 250 departing scholars, to the farewell speech delivered by the Prime Minister of Great Britain, Sir Alex Douglas-Home)
- Colonial Development and Welfare Scholarship – undergraduate studies at The Queen's University of Belfast (1957-61)

## Personal History

- Birth – 2nd October 1937 in Grenada
- Primary schools – 8 schools in Grenada, St Lucia, St Vincent and Trinidad
- Secondary schools – St Vincent Boys Grammar School (1948-53) and Presentation Brothers College, Grenada (1954-56)
- Marriage – 1st April 1967 to Mary E Hatfield (BA & PGCE, foreign languages)
- Children – Rachel {BFA & BArch, Rhode Island School of Design; MPS (interactive telecommunications), New York University; AAS Fashion, Parsons School of Design}; André (MA, Cambridge University; DIC & MSc, ICST&M, London University; MStructE); Kathy (MEng, Bristol & Liège Universities; FRSA; CEng; MStructE; WELL AP)