



York Society of Engineers

7:30 pm. Thursday 6th April 2023

Live Lecture

Room P/L/001, Physics/Electronics Building, Campus West, University of York

Flight not Fancy

by

Tim Clarke



Flight not Fancy

“I have had an association with aviation for over 45 years and, in that time, have been very fortunate to rub shoulders with some amazing aviators and aviation engineers. I have taught things-aeroplane all the way from undergraduate to PhD levels and consulted for big-name aerospace companies worldwide.

My talk will give you a snapshot of what I have discovered on my professional journey. I plan to bust a few myths and debunk some misconceptions. Illustrated using images, videos and a trusty, 30 year old Airfix model, I will explain how and why fixed and rotary wing aircraft are able to fly, what gives them some specific performance characteristic and why they are the shapes they are. I will also present you with a glimpse into the future of aviation.

My aim is to educate and to entertain”.

Tim Clarke is a retired academic from the University of York. He joined the RAF in 1977 as an air traffic controller. He subsequently transferred to the Education branch where he initially taught a variety of electronic engineering subjects at the No. 1 Radio School, RAF Locking. Following a Masters degree from the Royal Military College, Shrivenham, he moved to the RAF College, Cranwell where he became the Electronic Warfare and Guidance Specialist for the RAF.

He then moved into civvy street as a consultant engineer, employed by British Aerospace, to support specialists in the Ministry of Defence. He moved to the University of York in 1988 and set up a 4-year Master of Engineering programme in Avionics. Many Avionics graduates are now in senior engineering roles in the industry. A few have accepted the baton and are training the aviation engineers of the future. Some are civil or military aviators.

“We had lots of fun together”.

Please note, this lecture will be a live talk in Room P/L/001, Physics/Electronics Building, Campus West, University of York.

Wearing of masks is encouraged (but not mandatory); taking a lateral flow test prior to the meeting (with negative result) is also recommended. There is plenty of space in the lecture theatre for “social distancing”.

Please see the Covid-19 guidance below from the University of York:

The safety of our audience members and staff are our priority, and the University of York continues to have strict cleaning regimes and enhanced ventilation in place.

Please note that the University of York is promoting a message of protect, respect and be kind in relation to Covid-19 and we therefore politely ask that all attendees consider wearing a face covering whilst moving around indoors, washing hands regularly and taking a lateral flow test in advance of the event. We also ask that you do not attend if you experience any symptoms that could relate to a Covid-19 infection OR if you are self-isolating. Events staff will wear face coverings (unless exempt) and clear signage will be available to access hand sanitizer and hand washing facilities.