

The Bristol Branch of the RAeS in conjunction with the South West and Wales Branch of the IMA are pleased to announce the joint event:

AI IN AEROSPACE



Can You Tell a Mathematician from a Fish?

Prof Chris Budd OBE FIMA
University of Bath

Data based machine learning is one of the fastest growing areas of AI and is having a transformative effect on all industries. In this presentation we will look at some of the mathematics which underpins this capability, what strengths it possesses, and what its limitations are.



Deep Generative Models in Aircraft Aerodynamics

Xavier Bertrand FRAeS
Airbus

Deep learning has proven effective in capturing and modelling complex aerodynamic patterns. In this presentation, we will look at how advanced generative algorithms such as GANs, VAEs or Diffusion Models support the generation of accurate aerodynamic models early in the design process at Airbus.

Doors open at 5:30pm
Lectures start at 6:30pm
Event ends at 8pm



Between doors opening and the lectures all attendees can enjoy a free drink (alcoholic and non-alcoholic options available), canapés, networking opportunities, and a tour of the last Concorde to fly, G-BOAF.

Members and Non-Members Welcome

There are a limited number of tickets on sale until 25/09/24. Tickets cost £7 plus a booking fee and must be purchased in advance from the Eventbrite page here:

<https://www.eventbrite.co.uk/e/ai-in-aerospace-tickets-941813478467>

DATE

Thursday 10th October 2024

LOCATION

Aerospace Bristol, Hayes Way,
Patchway, BS34 5BZ

