

# Detecting Icebergs with Artificial Intelligence

by Dr John Stott PhD Senior Lecturer  
in Astrophysics at Lancaster University, UK



**Time:** 1100h GMT

**Date:** Thursday 19th December 2024

**Platform:** Microsoft Teams by clicking [here](#)

**Meeting ID:** 394 794 132 737

**Passcode:** 8fRfqr

Dr Stott will discuss iceberg detection in satellite radar images using artificial intelligence. Ultimately, this iceberg detector could be integrated into maritime safety systems, as his team is currently in talks with several international government and private organisations. John will give an overview of the problem; an easily-accessible description of the A.I. itself; the current performance of the system; and describe the efforts so far to turn this into a service for the maritime industry. The project was inspired by their research which used a similar A.I. technique to search for astronomical objects in large images of the night sky.

## Our Speaker...

Dr John Stott is a Senior Lecturer in Astrophysics at the UK's prestigious Lancaster University, specialising in galaxy evolution and machine learning. He was a Physics undergraduate at the University of Oxford, then gained a PhD in Astrophysics from the UK's Durham University. This was followed by postdoctoral positions at Liverpool JMU and Durham, then a fellowship at Oxford, before finally gaining a permanent academic position at Lancaster in 2017.