# Lichfield Science & Engineering Society

PATRON
Mr Ian Dudson CBE
HM Lord Lieutenant of Staffordshire

CHAIRMAN

Dr Robert Giles

PRESIDENT

Professor Carolyn Roberts
FRGS, FIEnvSc, FCIWEM, CEnv, CWEM

## 8:00 pm on Tuesday, 10th March 2020
## in the Studio Theatre of the Lichfield Garrick

# DEMYSTIFYING ARTIFICIAL INTELLIGENCE
## Paul Taylor EngD
## BT

Artificial Intelligence is always in the news.  Almost every day there's a story announcing another breakthrough, a new product, or the transformation of an existing field using AI.  Whilst AI has undoubtably come a long way since the term was coined in 1950s by John McCarthy does the current hype actually deliver?  Or has AI become a catch-all term to be used by overzealous marketing departments?

In this talk Paul will discuss what AI actually is, and how AI as a field is much richer and wider than is generally perceived. He will talk about the current poster child for AI: machine learning, about how it works, and what we should all be listening out for in any discussion on the subject. Throughout the talk he will use real examples from his time at BT to show how AI has been making a difference in industry for longer than you may expect!

Paul leads BT Labs' research into the analysis of complex event systems, a field that involves the use of computational techniques (including AI) to understand and improve the performance of those systems.  His EngD research involved the development of an autonomous process monitoring system that could watch, learn and improve the performance executing business processes without human intervention.