



**Alan Turing Lecture**  
Friday, 29<sup>th</sup> April 2022

**EVENT PROGRAMME**

Activity	Location	Time
<u>King's College Archives: Alan Turing Exhibition</u>  The papers of Alan Turing have been assembled at King's College since 1960 when his mother made the first presentation. Whilst his work at Bletchley Park is not well represented (any surviving papers would probably be in The National Archives), the King's collection has scores of his letters, photographs, reprints (including the Computer Science foundation document on the <i>Entscheidungsproblem</i> ), and evidence of his work on artificial intelligence and morphogenesis. Specimens of all will be included in the exhibition.	Audit Room	3.15pm – 4.45pm
<u>Enigma Machine / Cyclometer Exhibition</u>  Guests are invited to take part in demonstrations of a working replica of the Enigma Machine as well the world's only replica of the Polish Cyclometer.	Provost's Drawing Room	3.15pm – 4.45pm
<u>Alan Turing Lecture</u>  The Alan Turing Lecture titled ' <b>Charting the Horizons of Artificial Intelligence Research</b> ' will be given by Dr Raia Hadsell.  <b>Abstract:</b> The dream of an artificial general intelligence (AGI) that will share our values, solve our hardest problems, and benefit all of humanity is very slowly becoming a reality, owing to advances in data science and machine learning as well as the ever-increasing speed and efficiency of computers. In this talk I will describe the horizons of modern AGI research and identify some early successes as well as risks, particularly with respect to scientific breakthroughs. Weather forecasting, plasma stabilisation for nuclear fusion, and deciphering of ancient texts—these are some areas where breakthroughs have emerged from partnerships with AI scientists. As we get closer to AGI I believe that the technology will be increasingly general, adaptable, and interactive, bringing opportunities and benefits to people everywhere, in both their personal and work life.	Keynes Hall	5.00pm – 6.15pm
<u>Drinks Reception</u>  Following the lecture guests are invited to enjoy refreshments.	Chetwynd Room	6.15pm – 7.15pm