

AI: The Fourth Industrial Revolution

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UEN Conference
10 October 2024



URSULINE EDUCATION NETWORK CONFERENCE
HOSTED BY URSULINE HIGH SCHOOL
WIMBLEDON, LONDON

THURSDAY 10 OCTOBER 2024
14.00-16.00 GMT



"I would therefore encourage you, in your deliberations, to make the intrinsic dignity of every man and woman the key criterion in evaluating emerging technologies; these will prove ethically sound to the extent that they help respect that dignity and increase its expression at every level of human life."

Pope Francis on AI



WELCOME

Welcome to our international digital conference exploring AI and the almost unfathomable opportunities and challenges created. This is the very first UEN conference to be hosted in England and we are delighted to welcome the staff and students from our sister schools in The United States today.

As global network of Ursuline schools we encourage our students to apply the Ursuline virtues in new contexts. This conference uses a lens on the virtues of leading for justice, and acting with truth and integrity.

The conference objectives are to set out our current understanding of the benefits and risks of AI. In this way to we aim to help our students understand how they can engage with the power of AI ensuring that it is regulated and channelled in such a way to support Catholic Social Teaching- most particularly the dignity of work, care for God's creation and the preferential option for the poor. Gaining a better understanding of AI will enable students to be excited by its opportunities and to consider how we harness it for the betterment of our world.

We are very fortunate, and profoundly grateful, to be joined by an impressive lineup of excellent speakers who bring a range of perspectives and insight into this subject matter.

Our keynote speaker is an eminent human rights lawyer and author of award-winning books on the subject of AI- Dr Susie Alegre. We are very honoured to have her with us to present a learned perspective on AI imploring us to carefully make wise decisions as to how AI is utilised and help us understand the necessity of setting tight parameters for its use.

We are also delighted to have an amazing panel of speakers to talk about their own work with AI and their reflections on it.

We have Dr Stephen Collins, a digital policy and regulatory expert, having worked for different tech companies including Yahoo, eBay and Snapchat, his perspective of regulatory policy-making in newly emerging technologies will provide an interesting insight into the current debate on AI regulation. The next panellist Sheena Creed was appointed the first lead, Gen AI expert at Thomson Reuters, she will explain to us how generative AI is being used in law firms across both Europe and the US. Next, we have JB Tanqueray, having worked in asset allocation and fund management he will share with us how his current work is using AI to simplify and streamline regulatory compliance for investment funds. Finally, we will be presented with the use of AI in the field of Medicine. Professor Laurence Lovat works at UCL and is currently developing AI tools to both diagnose and treat patients in the gastrointestinal tract.

We are so grateful and honoured to be joined by these exceptional guest speakers and thank them for giving their valuable time to us today.

Finally, before we start I would like to formally acknowledge the work of Peggy McCormick-Platz; UEN, and Julia Waters; UEN and previous Headteacher of Ursuline High School Wimbledon, for their vision and help in bringing this conference to fruition. In particular, you have been amazing at co-ordinating the conference with all our partner US schools!

Eoin Kelly
Headteacher
**Ursuline High School
Wimbledon**



PROGRAMME

14.00	Welcome: Mr Kelly to open the conference
14.10	Student introduction to the conference
14.13	Welcome to Dr Alegre
14.15	Session 1: Keynote speech, Dr Susie Alegre
14.40	Questions for Dr Alegre
14.45	Panel introduction
14.48	Dr Stephen Collins
14.55	Sheena Creed
15.02	JB Tanqueray
15.09	Professor Laurence Lovat
15.16	Q and A with the panel (starting with one question from each school)
15.30	Thank you to our panel speakers
15.31	Off-line discussions in school groups and preparation of summary of debates and ideas to feedback
15.45	Feedback of key points from each school (one student one minute)
15.55	Evaluation
15.58	Final thank you to our keynote speaker and to all participants
16.00	End of conference

AIMS OF THE CONFERENCE

The conference aims to help students and educators to consider the following questions:

- What exactly do we mean by AI? How are we currently using it and what is its potential? How should this affect the way in which students are educated and prepared for future work?
- What is the potential for both good and harm in AI, and what regulation should be in place?
- From the perspective of Catholic Social Teaching, how does AI sit with the dignity of the human (both in the dignity of work and the necessity of being paid a fair wage)? This will be considered in the light of Pope Leo XIII's *Rerum Novarum* of 1891 in which these principles were established, and also the current work of the Vatican on AI and its implications for humankind. In particular, we need to reflect on what makes us human, what is special about our God-given gifts and talents, and what is to be treasured in the human spirit for creativity.
- With St Angela's heart for the excluded and marginalised, what does AI mean in particular for girls, women, and the gap between rich and poor?
- Finally, as stewards of God's creation, what is the impact of AI on the climate and what should we be doing to address this?

Participating schools

St. Ursula Academy	<i>Toledo, Ohio</i>
Ursuline Academy	<i>Cincinnati, Ohio</i>
Sacred Heart Academy	<i>Louisville, Kentucky</i>
Ursuline Academy	<i>St. Louis, Missouri</i>
Ursuline Academy	<i>New Orleans, Louisiana</i>
The Ursuline School	<i>New Rochelle, New York</i>
Ursuline Academy	<i>Wilmington, Delaware</i>
Saint Ursula Academy	<i>Cincinnati, Ohio</i>

OUR SPEAKERS



Dr Susie Alegre
KEYNOTE SPEAKER

Susie Alegre is an international human rights lawyer and author, her first book “Freedom to Think” (Atlantic Books 2022) was a Financial Times Technology Book of the Year 2022 and shortlisted for the Royal Society of Literature Christopher Bland Prize 2023. Her second book “Human Rights, Robot Wrongs: Being Human in the Age of AI” came out on 2nd May 2024 with Atlantic Books. Susie publishes and appears regularly in national and international media talking about the impact of technology on human rights.

Susie’s expertise in technology, AI and human rights is grounded in over 20 years’ experience. She has worked on some of the most challenging legal and political issues of our time including human rights and security, combating corruption in the developing world, protecting human rights at borders, the human rights impacts of climate change on small islands. Susie’s work has taken her all over the world to places as diverse as Spain, Uganda, Brussels, Kyrgyzstan and Poland. She has worked for international NGOs like Amnesty International and international organisations including the UN, the EU and the Council of Europe. The breadth of her experience has given her great insight into the way international law and institutions work in practice. Originally from the Isle of Man, she is the founder of the Island Rights Initiative. A native English speaker, she is also fluent in French and Spanish.

Susie has an MA Hons in French and Philosophy from the University of Edinburgh, a Masters in European and International Human Rights Law from the University of Nantes and a PhD in International Human Rights Law from the University of Roehampton. She is a Senior Fellow at the Centre for International Governance and Innovation (CIGI). <https://susiealegre.com/>



OUR SPEAKERS



Dr Stephen Collins

Dr Stephen Collins is a digital policy and regulatory expert, having spent more than 20 years representing technology companies (including Yahoo, Skype, eBay, Microsoft and Snapchat) with governments and regulators worldwide. In previous professional lives he worked in academia (University of Birmingham) and government (Foreign & Commonwealth Office). He is the author of two books and numerous articles on European politics and policy making.



Sheena Creed

Sheena Creed is Customer Success Manager for Thomson Reuters where she helps legal professionals identify and delegate substantive legal tasks to CoCounsel, the first professional grade GenAI legal assistant. Sheena has over 18 years' experience as a legal research trainer within Thomson Reuters and was recently appointed as the first legal GenAI expert in the UK and Europe.



JB Tanqueray

JB is a London-based Fintech entrepreneur using AI to simplify and streamline regulatory compliance for investment funds operating in the UK, Europe and beyond. Before launching Dorhyan.eu, JB advised family offices and pension funds on asset allocation and fund manager selection. JB has 5 children, three of them former Ursuline pupils ! JB graduated with a MBA from London Business School and a M.Phil in Macroeconomics and Finance from Paris 9 Dauphine.

OUR SPEAKERS & CHAIR



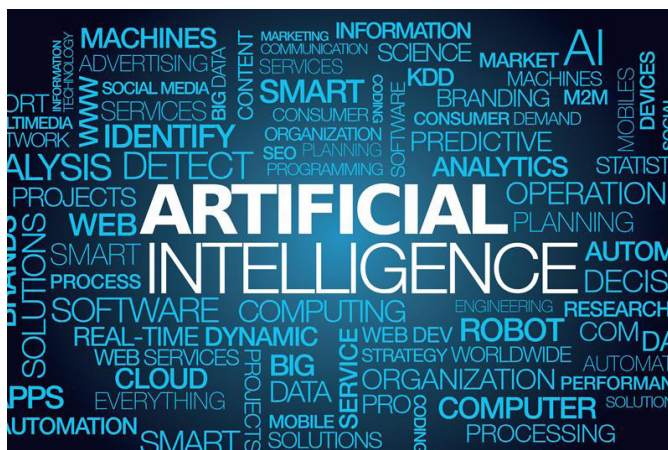
**Professor
Laurence Lovat**

Professor Laurence Lovat studied medicine at University College London where he also achieved a first class Honours intercalated degree in nutrition. He undertook a PhD at the Royal Postgraduate Medical School following which he was appointed Senior Lecturer in Gastroenterology and Laser Medicine at UCL. He has led multidisciplinary teams for 20 years and is now the clinical director of a £17 million Centre at UCL, funded by the Wellcome Trust, to bring engineers and interventional doctors together to develop novel engineering solutions to problems in medical intervention. His current work focuses on developing artificial intelligence tools to diagnose and treat diseases of the gastrointestinal tract.



Polly Harrison
CHAIR

Polly Harrison is the Director of Extended Learning at the Ursuline High School Wimbledon. Polly was educated at the Ursuline High School in Wimbledon and went on to study law at Oxford, becoming a pensions lawyer with Travers Smith. She has worked at the Ursuline High for seven years and really enjoys her work with the UEN, its global outlook and the sharing of our Ursuline identity.



WITH SPECIAL THANKS...

The conference was planned and led with the help of our wonderful student leaders who helped put the conference together and have introduced and presented at it. Thank you especially to Ana Gumende and Clara Bates for leading this team. Thank you to our amazing speakers for being so generous with their time and sharing their wisdom. We really appreciate this. A huge thank you to all of our sister schools from the UEN who have joined us for this conference. A final thank you to Peggy McCormick-Platz, the Director of the UEN, who has been wonderful in co-ordinating the conference and organising the registration and participation of the schools in the US; and Julia Waters - who is our school's representative in the UEN and who helped devise the conference and supported us on it coming to fruition.

Terminology for the Conference

(from "Human Rights, Robot Wrongs" by Susie Alegre- with permission)

Artificial General Intelligence (AGI) refers to a hypothetical intelligent machine that has achieved a level of cognitive performance across a broad or even unlimited range of tasks that usually require human intelligence.

Generative AI is capable of generating text, images or other media using models developed from training data.

Machine Learning (ML) is the use and development of computer systems that are able to learn and adapt without following explicit instructions, by using algorithms to create statistical models that capture and draw inferences from patterns in data.

Neural Networks are computer systems inspired by the way the human brain works.

Language Models (LM) are computer systems that use statistical or probabilistic technique to determine the likelihood of a series of words forming a sentence; they are trained on existing text and some, such as chat GPT, are next-word predictors.

Large Language Models (LLMs) are complex systems using language modelling trained on massive amounts of data.





