# COFFEE TALK
### Connecticut Science Center

# ARTIFICIAL INTELLIGENCE & EMERGING TECHNOLOGIES

## Select Wednesdays in October & November | 10-11:30AM

### A Connecticut Science Center lecture series to fuel your brain and caffeinate your curiosity.

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### PART I: Introduction To Artificial Intelligence, Chat GPT, and AI Ethics
**October 11**

*Presented by Wendell Wallach*

The field of Artificial Intelligence (AI) and its ethical implications have attracted much attention. Our opening session of the series will delve into the basics of AI – its definition, brief history, and why it has generated so much hype. We will explore the concepts of machine learning and generative AI, and the deeper ethical and political concerns surrounding the deployment of AI systems. The question of whether AI is destabilizing democratic governments will also be explored.

### PART II: Artificial Intelligence, Digital Transformation, and a Toaster!
**October 18**

*Presented by Mike Ambrose*

As AI continues to advance, there is a growing sense of apprehension regarding its potential impacts on society. Despite these concerns, it is worth noting that AI and machine learning have already demonstrated their utility in driving the Digital Transformation of Product Development. By leveraging this technology, both businesses and consumers stand to gain substantial benefits. In this presentation, we will delve into how Digital Transformation and AI drive improvements in Product Development. To illustrate these concepts, we will use the ubiquitous household item of a toaster as an example.

### PART III: Augmented Reality and Enabling Technology In Surgery
**November 8**

*Presented by Dr. Ian Thomas McNeill*

During the past few years, advancements in technology have revolutionized the way we conduct complicated spinal and neurosurgical procedures. This transformation's objective is to heighten accuracy, minimize risks, and improve the outcomes for our patients. In this dialogue, we will explore the vast potential of augmented reality in this crucial domain of medical advancement.

### PART IV: Artificial Intelligence and Governance
**November 15**

*Presented by Wendell Wallach*

In this closing session of the series, we will explore the history of AI ethics and the ethical dilemmas that emerge from implementing AI systems. We will analyze the authenticity of these challenges and explore the fundamental principles of AI ethics. We will ponder over the capability of AI systems to make moral judgments and examine the hazards of lethal autonomous weapons systems. Finally, we will discuss the need for additional laws and regulations to optimize the advantages of AI while mitigating any adverse societal outcomes and consider the matter of global AI governance.

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## TICKETS:

**$35 - Series Bundle** *(purchase by October 11)*

**$10 - Individual Session**

**$7 - Group Rate** *(pp/per session - Groups of 10+)*

Each ticket includes the lecture, light refreshments, and a special $5 flat-rate parking voucher for the Science Center garage. Looking to explore the Science Center after the lecture? Special same-day tickets will be available for $10/pp at each event.

**Wendell Wallach** is a Uehiro/Carnegie Senior Fellow at the Carnegie Council for Ethics in International Affairs (CCEIA) and has an international reputation as an expert on the ethics and governance of emerging technologies, particularly artificial intelligence, and biotechnologies.

**Mike Ambrose** recently retired from Sikorsky Aircraft, after a career that spanned almost 39 years. Mike served as both a Chief Engineer and, before his retirement, served as the Vice-President of Enterprise Business Transformation.

**Dr. Ian Thomas McNeill** is an Assistant Professor of Neurosurgery and Co-director of Scoliosis and Spinal Deformity Surgery at the University of Connecticut School of Medicine and UConn Health.

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**Tickets are available at CTScienceCenter.org or by calling 860-520-2104 or emailing groupsales@ctsciencecenter.org.**

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