LEADING DATA AND AI-ENABLED ORGANIZATIONS: FOR SENIOR LEADERS
COURSE OBJECTIVE
This course provides senior leaders with a comprehensive approach to adopting AI technology. It provides a framework to unpack the question, “How do we turn our organization’s AI strategy into action?”

COURSE DESCRIPTION
In today’s rapidly evolving marketplace, leaders increasingly recognize the critical role of artificial intelligence (AI) in gaining a competitive edge. However, they often encounter significant challenges in integrating AI effectively. Leaders struggle with understanding which AI technologies most apply to their organization’s needs and how to measure the return on investment in these technologies. There is also a pressing need for robust data governance and ethical guidelines to manage AI implementation without risking privacy breaches or bias. These challenges underscore the importance of strategic insight and practical frameworks to leverage AI effectively, which is essential for sustaining growth and innovation in any business.

Our AI for senior leaders course will bolster your confidence and equip you with the essential knowledge to integrate AI technologies into your organization effectively. By enhancing your data-driven decision-making capabilities, you will be able to identify and eliminate inefficiencies, optimize resource allocation, and make more informed risk assessments. As you master these skills, you will not only drive innovation within your organization but also position yourself at the forefront of industry leadership. Join us to gain the tools and insights that will help you harness the full potential of AI, turning challenges into opportunities and visions into realities.

Embark on an intensive 2-day, in-person course tailored to fortify your leadership in the digital era. Set in a dynamic and collaborative environment, this program offers unmatched networking opportunities with fellow leaders and features a faculty with deep experience spanning industry, academia, and government. These distinguished instructors have driven pioneering innovations in the AI field and are eager to share their insights. Each session aims to enrich your understanding of AI applications and their strategic implications, boosting your confidence to make informed decisions that steer your organization toward its AI-enabled future.
WHY JOHNS HOPKINS?

As the first research university in the United States and the pioneering institution behind the first university-affiliated research center for the US Government, our university has long been at the forefront of academic excellence and innovative research. With the largest research funding of any university, we are continually pushing the boundaries of knowledge and technology. Ranked among the top ten universities nationwide, our commitment to quality and excellence is recognized globally. We are also proud to have the distinction of being the #1 ranked online information technology graduate program, according to U.S. News and World Report.

Our specialized centers of excellence—including the Natural Language Technology Center, the Institute for Assured Autonomy, and the Center for Data Science and AI—reflect our dedication to leading-edge research and development in critical areas of technology and science. Spanning strategic locations from Baltimore to Washington DC, our campuses serve as learning, innovation, and collaboration hubs.

By joining our community, you become part of a legacy of leaders and innovators who envisage the future and actively shape it. Our educational ethos ensures that every scholar and executive gains the skills, knowledge, and insight to excel in a rapidly evolving world. Here, we don’t just learn; we lead.

#1 Recipient of U.S. Federal Funding
#1 Information Technology Master’s Program
#1 University Affiliated Research Center (APL)
29 Nobel Laureates
COURSE TOPICS

- Holistic AI: Effectively Leading AI Implementation using the 6D Framework (Decomposition, Domain Expertise, Data, Design, Diagnose, and Deployment)
- Ethics in AI
- Pioneering Research with Mission Intent
- Responsible AI
- AI Test & Evaluation
- Generative AI
- DoD Projects & Case Studies
- Human Systems Integration

FACULTY

JANE PINELIS, PH.D.

Dr. Jane Pinelis currently serves as the Chief AI Engineer of the Applied Information Sciences Branch at Johns Hopkins University’s Applied Physics Laboratory (JHU/APL). With a background in defense and national security spanning over 15 years, Dr. Pinelis has held various critical positions of responsibility. Before her current role, she served as the inaugural Chief of AI Assurance at the Chief, Digital and AI Office (CDAO) and the Joint Artificial Intelligence Center (JAIC) at the Department of Defense, where she oversaw the Test and Evaluation, as well as Responsible AI directorates. Dr. Pinelis holds a BS in statistics, economics, and mathematics, an M.A. in statistics, and a Ph.D. in statistics, all from the University of Michigan, Ann Arbor.

KEVIN LIGOZIO

Kevin Ligozio is the Chief AI Architect of the Asymmetric Operations Sector (AOS) of the Johns Hopkins University Applied Physics Laboratory (APL). AOS comprises approximately 1600 staff across three mission areas focused on advancing the nation’s ability to defeat the asymmetric threat, whether human-made or naturally occurring.
Areas of focus include countering weapons of mass destruction, mission autonomy, cyber operations, biological threats, and terrorism. Mr. Ligozio oversees efforts to achieve these goals through the advancement and utilization of data science and artificial intelligence. Mr. Ligozio is also an adjunct professor at The Johns Hopkins University Whiting School of Engineering’s Computer Science Master’s Program. He received a B.A. in Mathematics and Computer Science from the State University of New York at Geneseo and an M.S. in Computer Science from the Rochester Institute of Technology.

CHRISTOPHER RATTO, PH.D

Dr. Christopher Ratto is the supervisor of the Artificial Intelligence group in APL’s Research and Exploratory Development Department and has over 15 years of experience applying AI/ML to problems in national security and defense. The AI Group is comprised of over 40 scientists and engineers conducting foundational research in AI with potential for cross-mission impact, by working in performer and Government-team roles on 6.1-6.2 research programs and “inventing the future” for APL by experimenting emerging AI technologies and sharing lessons learned throughout the Lab. Prior to his current role, Dr. Ratto was a Program Manager in APL’s Sea Control Mission Area for Maritime Remote Sensing. His personal research interests include adversarial machine learning, generative AI, and remote sensing applications of interest to the intelligence community. Dr. Ratto holds a B.E.E. from The Catholic University of America, and an M.S. and Ph.D. in Electrical and Computer Engineering from Duke University.
TESTIMONIALS

“It gives you confidence that you are able to look at the problem soundly and that you’ve got a way forward...to advance mission needs.”
USTRANSCOM Senior Executive

“I appreciated hearing from experts in the AI field...we are making pockets of progress to innovate into our processes”
DoD Chief Information Officer Senior Executive

“Excellent program with [plenty of] discussion and network opportunities. Good balance between topics for me with limited AI/ML experience...great learning experience!”
OUSD General Counsel Executive

“I was pleasantly surprised by the quality of the course. All aspects were well planned and balanced.”
Navy Senior Executive

“I came to the class to work with like-minded executives...to discuss data, artificial intelligence and a way to move forward...to better adopt and understand AI opportunities.”
U.S. Coast Guard Senior Executive

COURSE DETAILS & REGISTRATION:

Duration: 2-days
Modality: In-person
Location: JHU Bloomberg Center 555 Pennsylvania Avenue NW, Washington, DC 20001
Investment: $5,000 per person
Registration: lifelonglearning.jhu.edu/jh-leading-data-and-ai-enabled-organizations-for-senior-leaders

Seats are filled on a first-come basis. 24 max attendees.
CERTIFICATE

All participants that successfully complete the course will receive a Digital Certificate of completion from Johns Hopkins Engineering Lifelong Learning.