

C3.ai Digital Transformation Institute

WINTER 2022

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World's Largest Open-Track Traffic Experiment

In a massive traffic experiment outside of Nashville last week, scientists tested whether introducing just a few AI-equipped vehicles to the road can help ease “phantom” jams and reduce fuel consumption and emissions. Behind the scenes, a C3.ai DTI-funded campaign was designing ways to keep malicious actors at bay. (Pictured L to R: PIs **Jonathan Sprinkle** of Vanderbilt University, and **Alexandre Bayen** and **Maria Laura Delle Monache** of UC Berkeley.)

- [Read more](#)
- [See video](#)



Eric Horvitz on the Arc of Human Intelligence

Chief Scientific Officer at Microsoft and C3.ai DTI advisory board member **Eric Horvitz** surveys the arc of human intelligence from the Olduvai Gorge and European caves to the development of Artificial Intelligence. "AI is truly the fire in our caves," says Horvitz.

- [See video link](#)
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Award-Winning C3.ai DTI PIs 2022

C3.ai DTI works with top scientists and rising stars from a consortium of the world's leading academic institutions, many widely recognized in fields from engineering and computer science to environmental science and public health, among others. Here is a sampling of notable awards and recognition DTI's Principal Investigators have received in 2022, including **Qianwen Xu** of KTH Royal Institute of Technology (pictured).

- [Read more](#)
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Data Markets Workshop Now Online

Hear leading scientists explore theoretical aspects of the interplay between data science, machine learning, game theory, and economics for the design of markets using data and for the design of data markets. The October workshop featured 15 speakers, including **Negin Golrezaei** of the Massachusetts Institute of Technology (pictured).

- [See program with playlist link](#)
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'Flood of Evictions' Looms in L.A.

National Public Radio: Los Angeles is "going to see the highest flood of evictions and, potentially, exacerbated homelessness on top of the conditions that they already had," predicts **Tim Thomas**, director of UC Berkeley's Eviction Research Network and C3.ai DTI co-PI whose research on COVID-era housing precarity has made him a nationally sought expert.

- [Read more](#)
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How An Algorithm Solves Wordle

MIT Sloan: C3.ai DTI COVIDAnalytics.io Principal Investigator **Dimitris Bertsimas**, Associate Dean of Business Analytics at the Massachusetts Institute of Technology Sloan School of Management, has devised an algorithm that "solves the game in the optimal manner without fail." (Spoiler alert!)

- [Read more](#)

**Watch all C3.ai DTI talks on our
YouTube channel**

YouTube.com/C3DigitalTransformationInstitute

The Science of Digital Transformation



About the C3.ai Digital Transformation Institute

Established in March 2020 by C3.ai, Microsoft, and leading universities, the C3.ai Digital Transformation Institute is a research consortium dedicated to accelerating the socioeconomic benefits of artificial intelligence. The Institute engages the world's leading scientists to conduct research and train practitioners in the new Science of Digital Transformation, which operates at the intersection of artificial intelligence, machine learning, cloud computing, internet of things, big data analytics, organizational behavior, public policy, and ethics. The 10 C3.ai Digital Transformation Institute consortium member universities and laboratories are: University of Illinois at Urbana-Champaign; University of California, Berkeley; Carnegie Mellon University; KTH Royal Institute of Technology; Lawrence Berkeley National Laboratory; Massachusetts Institute of Technology; National Center for Supercomputing Applications at University of Illinois at Urbana-Champaign; Princeton University; Stanford University; and University of Chicago. Learn more at C3DTI.ai.



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