

C3.ai Digital Transformation Institute

FALL 2022

[IN THIS ISSUE](#): Fall events, P.I. honors & awards, COVID prison outbreaks, SHIELD success report, vaccines & global warming



Hear the Latest from Tech Industry and Academic Experts

C3.ai DTI's Fall Colloquium Series on Digital Transformation features the nation's top experts in AI, including industry researchers from Google Brain and IBM, entrepreneurs, and academic researchers from leading universities.

- [See fall lineup and register for the series](#)
- [See news announcement](#)



Researchers Receive Honors and Awards for AI Advances

C3.ai DTI Principal Investigators **Gerbrand Ceder** of Berkeley Lab and UC Berkeley, and **Bo Li** and **Kaiyu Guan** (L to R above), both from the University of Illinois at Urbana-Champaign, were recently recognized for outstanding work in advancing AI and digital transformation research.

- [Read more](#)



Deep Dive into Data Markets this Fall

Online markets like Airbnb, Uber, Lyft, and eBay rely on machine learning algorithms to learn from past data to maximize profit and utility of the platform

and new markets are emerging for data itself. This October 10-12 in-person workshop at the University of Illinois at Urbana-Champaign examines the interplay between data science, machine learning, game theory, and economics. See the webpage for speakers and registration information.

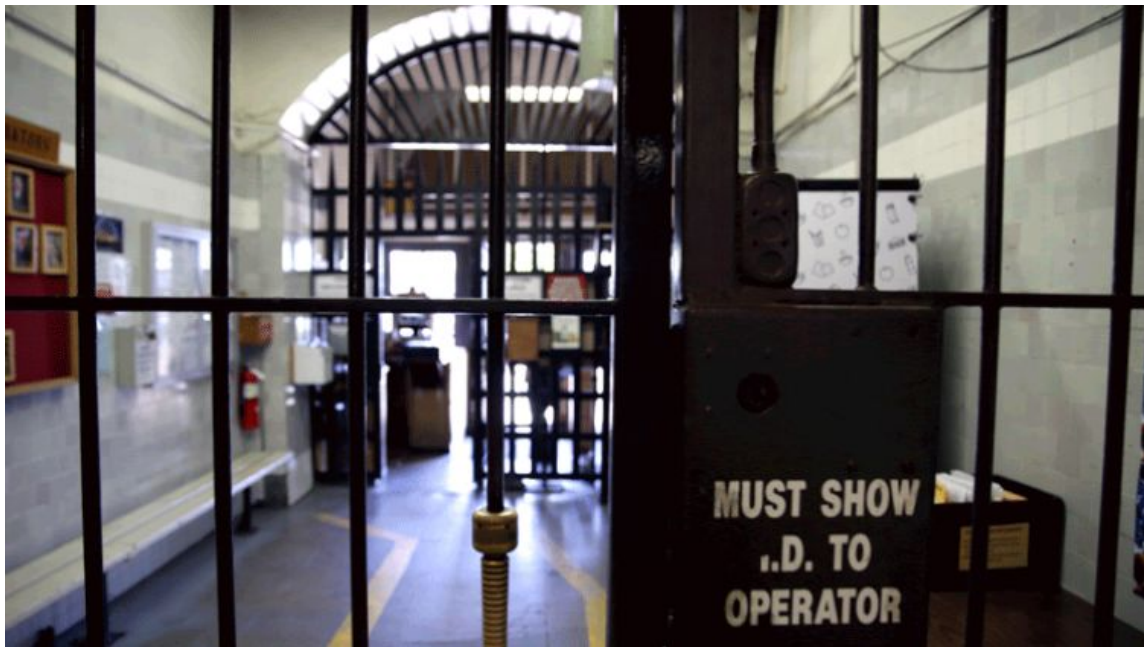
- [Register now for October workshop](#)
-



C3.ai DTI and Partner NCSA Support SHIELD Success

UIUC News: A recent study credits UIUC's "SHIELD: Target, Test, Tell" program for zero COVID-19-related deaths or hospitalizations in the campus community as the university reopened in fall 2020. C3.ai DTI researchers and NCSA resources and expertise contributed to the program's success.

- [Read more](#)
-



C3.ai DTI COVID Researcher Reports on California Prison Outbreaks

Berkeley News: C3.ai DTI COVID researcher **Dr. Stefano Bertozzi**, professor of health policy and management at UC Berkeley's School of Public Health, studied COVID outbreaks in California prisons. The team's report identifies sources of transmission surges and offers recommendations for improving health care policy and practice.

- [Read more](#)
-



Vaccine-hesitancy & Global Warming: Distinct Challenges, Similar Solutions?

Royal Society: Using Subjective Expected Relative Similarity, DTI COVID Co-PI **Simon A. Levin**, James S. McDonnell Distinguished University Professor in Ecology and Evolutionary Biology at Princeton University, draws parallels between public attitudes about vaccines and global warming to suggest how policymakers could approach both.

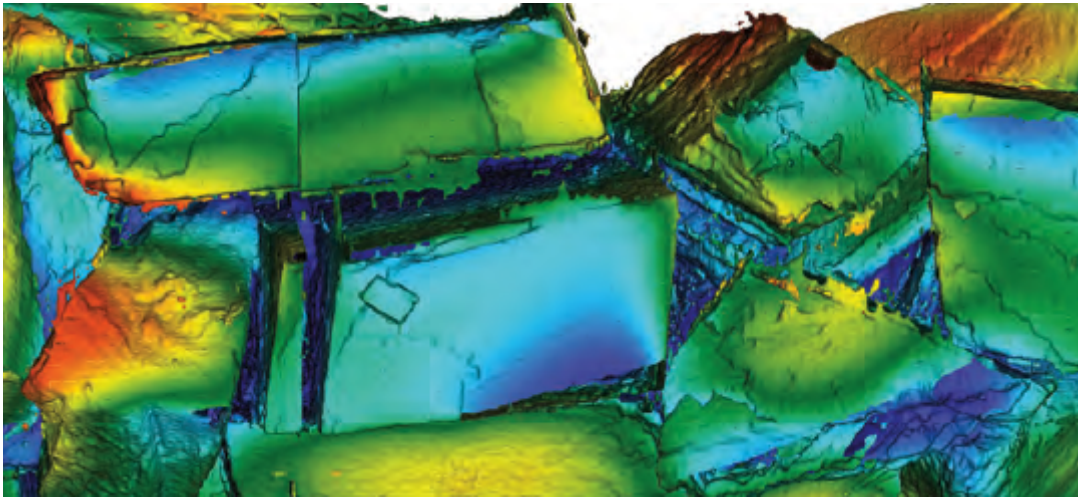
- [Read more](#)
-



DTI researcher introduces all-purpose optimizer for autonomous robotics

MIT News: C3.ai DTI cybersecurity researcher **Chuchu Fan** has developed a general-purpose optimizer to speed up the development of a wide range of autonomous systems, from walking robots and self-driving vehicles, to soft and dexterous robots, and teams of collaborative robots. Her team presented their findings at the Robotics: Science and Systems Conference in June.

- [Read more.](#)
-



Transformative Times: 2021-2022 Annual Report

The 2021-2022 C3.ai DTI Annual Report describes 22 spring 2021 awards for AI projects for Energy and Climate Security and 24 spring 2022 awards for AI to Transform Cybersecurity and Secure Critical Infrastructure, and also covers the Institute's 2nd Annual Research Symposium, select publications, and more.

- [View and download the 2021-2022 Annual Report](#)

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

[YouTube.com/C3DigitalTransformationInstitute](https://www.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.



C3.ai Digital Transformation Institute @ Berkeley

University of California, Berkeley
750 Sutardja Dai Hall, MC 1764
Berkeley, California 94720-1764

C3.ai Digital Transformation Institute @ Illinois

University of Illinois at Urbana-Champaign
1205 W. Clark Street, MC-257, Room 1008
Urbana, Illinois 61801

Copyright © 2022 C3.ai Digital Transformation Institute, all rights reserved.