



Upcoming Events



Small changes, big effects: how modeling choices affect machine learning predictions

["What's Next in AI" seminar series](#)

January 18, 10-10:30 a.m. EST

This Webex seminar will feature Soumya Ghosh, a research scientist at IBM Research and the Lab. He will discuss machine learning model assumptions for spatial and time-series data, exploring the sensitivity of their predictions to modeling choices and illustrating how innocuous changes in assumptions can have a large effect on the model's predictions. [Register here.](#)



IBM neuro-symbolic AI workshop 2022

[Unifying statistical and symbolic AI](#)

January 18-19, 8:30 a.m.-6:40 p.m. EST

This virtual workshop will include talks from IBM researchers and other academic AI experts, who will share an overview of neuro-symbolic AI technologies, which derive knowledge from data, achievements to date, and future direction for the field. The workshop will also include a panel discussion on the future of AI and the possible role of neuro-symbolic AI approaches. [Register here.](#)



AI and our human future

[How AI is changing our relationship with knowledge and society](#)

January 24, 1-2 p.m. EST

In a livestreamed event, MIT Schwarzman College of Computing Dean Daniel Huttenlocher and Eric Schmidt, co-founder of Schmidt Futures and former CEO & Chairman of Google, will sit down with MIT moderator and the college's Deputy Dean of Academics Asu Ozdaglar for a discussion on how AI is changing our relationship with knowledge and society, and what this technology means for us all. [Register here.](#)



LIDS student conference

[Bridging the gap between theory and the real world](#)

January 26-27, 8:45 a.m.-5:30 p.m. EST

In this virtual conference and panel discussion, graduate students and postdocs from the MIT Laboratory for Information & Decision Systems (LIDS) will present their research, along with four distinguished plenary speakers, in the areas of machine learning and statistics; information and networks; control theory and applications; algorithms, optimization, and game theory. [More information](#) and [register here.](#)

In the News



Building on our history of innovation for the future of IBM

[A commitment to relentless reinvention](#)

IBM's adaptive business model has been to "deliver on innovation that matters," writes Lab co-chair, IBM Senior Vice President, and Director of Research Dario Gil. In this feature, Gil reflects on IBM's recent and long-term achievements in patents and collaborations, and looks ahead to strengthening innovation efforts around hybrid cloud, AI, quantum computing, systems and semiconductors, and security.



AI researchers fight noise by turning to biology

[Neuroscience may help neural networks understand artificial noise.](#)

Tiny portions of artificial noise, which wouldn't trick a human, can fool a neural network, throwing off its prediction. In recent studies, reported in *Quanta Magazine*, the DiCarlo lab is combatting this problem in visual and auditory prediction with noise generator filters that mimic the brain's noisy neurons, with success.

Watch Our Recent Event

[Efficient AI: why it's important and how we get there](#)

During a recent "What's Next in AI" webinar, MIT-IBM Watson AI Lab co-director David Cox discussed work to reduce the footprint of AI models, to use AI to design more efficient AI models with less data, and new computing architectures that enable low-power AI.

Researcher Highlights

Lab and MIT researchers Daron Acemoglu, Markus Buehler and Ju Li were ranked among [world's most highly cited researchers](#) for 2021.

MIT professor Markus Buehler was awarded the [James R. Rice Medal](#) for "for contributions to the mechanics of protein materials, bioinspired materials, and multiscale analyses of solids."