



The International Conference on Learning Representations (ICLR) Announces Agenda, Speakers and Outstanding Paper Awards at Premier AI Deep Learning Conference

Explore global, cutting-edge research on all aspects of deep learning used in the fields of artificial intelligence, statistics and data science, as well as important application areas such as machine vision, computational biology, speech recognition, text understanding, gaming, and robotic by registering at <https://iclr.cc/Register/view-registration>.

The International Conference on Learning Representations (ICLR), the premier gathering of professionals dedicated to the advancement of the branch of artificial intelligence called representation learning—generally referred to as deep learning—has announced its ninth conference agenda, featured speakers and eight award-winning papers selected from 860 submissions accepted by the conference.

“With the growing importance and reach of AI and deep learning having a global impact across a wide variety of technology spaces and application areas, it’s encouraging to see exhaustive and thorough research bringing key issues and challenges to the forefront,” said Shakir Mohamed, ICLR general chair. “I’d encourage anyone interested in thoughtful discourse for advancing AI to participate in the 2021 conference and take advantage of its extensive and informative agenda.”

ICLR 2021 presents Outstanding Paper Awards to eight papers selected from the 860 excellent accepted papers. These award-winning papers will be presented during two sessions (May 5, 16.00–17.00 PDT and May 6, 00:00–01:00 PDT). The outstanding paper award winners’ submissions, the award committee and award criteria can be previewed by visiting <https://iclr-conf.medium.com/announcing-iclr-2021-outstanding-paper-awards-9ae0514734ab>.

The ICLR agenda compiles relevant AI research content and provides a virtual interface that allows for easy access and multiple ways to engage in the conference. All asynchronous content is available on the virtual conference site, including pre-recorded videos for all 860 accepted papers. Rocket.chat, the virtual platform ICLR uses, allows participants to discuss papers and directly ask authors questions.

Additionally, the ICLR 2021 Live Program runs around the clock throughout the five-day conference and consists of talks and live Q&As, poster sessions, and socials. Oral sessions with talks and live Q&As alternate with poster sessions and socials, allowing for the utmost in learning and discussion. What’s more, 200 selected volunteers from around the world provide continuous support to assist in accessing any content or to respond to questions regarding the conference. For comprehensive information on the full ICLR schedule, please visit <https://iclr.cc/virtual/2021/calendar>.

A non-exhaustive list of relevant topics explored at the conference include:



- unsupervised, semi-supervised, and supervised representation learning
- representation learning for planning and reinforcement learning
- representation learning for computer vision and natural language processing
- metric learning and kernel learning
- sparse coding and dimensionality expansion
- hierarchical models
- optimization for representation learning
- learning representations of outputs or states
- implementation issues, parallelization, software platforms, hardware
- applications in audio, speech, robotics, neuroscience, computational biology, or any other field
- societal considerations of representation learning including fairness, safety, privacy

Participants at ICLR span a wide range of backgrounds, from academic and industrial researchers, to entrepreneurs and engineers, to graduate students and postdocs. ICLR continues to pursue inclusivity and efforts to reach a broader audience, employing activities such as mentoring programs and hosting social meetups on a global scale.

Don't miss out on what's sure to be a rewarding and extensive exploration of AI and deep learning at this year's ICLR. Register today by visiting at <https://iclr.cc/Register/view-registration>.

Learn more about ICLR featured speakers by visiting: <https://iclr-conf.medium.com/announcing-the-iclr-2021-invited-speakers-db4aba84038a>.

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