Ninth Annual International Conference on Learning Representations

ICLR 2021 Fact Sheet

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.

Out of 784 ranked conferences, the CORE 2021 conference ranking assessment of the ICLR conference positioned ICLR in the top 7% of academic conferences, with ICLR receiving the highest-ranking assessment of an A*. The CORE Conference Ranking provides assessments of major conferences in the computing disciplines. Conference rankings are determined by a mix of indicators, including citation rates, paper submission and acceptance rates, and the visibility and research track record of the key people hosting the conference and managing its technical program.

Location: Virtual Conference

- All content on the virtual site except RocketChat is available to the public on the ICLR 2021 website

Virtual Participation:

- Over 6,300 participants from 64 countries attended
- Over 1,200 participants viewed an invited talk
- Largest number of participants viewing a livestream oral session was 1200+
- 42 mentoring sessions and 1950 participants
- 200 volunteers contributed over 1,500 hours

Past ICLR Locations, Attendance and Participating Countries Represented:

- 2020: Virtual (Global) 5,600 participants from 76 countries
- 2019: New Orleans (USA) 2,600 participants from 50 countries
- 2018: Vancouver (Canada) 1,950 participants from 38 countries
- 2017: Toulon (France)
- 2016: San Juan (Puerto Rico)
- 2015: San Diego (USA)
- 2014: Banff (Canada)
- 2013: Scottsdale (USA)

Research Content:

- 8 invited talks
- 8 outstanding paper winners presented in 2 outstanding paper sessions
- 53 orals
- 114 spotlights
- 12 oral sessions
- 860 posters in 12 poster sessions
- 35 socials
- 28 workshops
- 3014 total papers submitted

Research Reviewers:

- 4072 reviewers accepted our invitation to review papers
- Average of 2.8 papers per reviewer
- Average of 3.8 reviews per paper
- Accepted papers are already available:
    - Open Review
    - Online at ICLR 2021 Papers
    - Each accepted paper has a poster that has a link to a PDF

Town Hall:

- Discussed new code of ethics process, DEI efforts, and key findings from a survey of the paper authors, reviewers and organize

Invited Talks:

- **Lourdes Agapito**
  Perceiving the 3D World from Images and Video
- **Michael Bronstein**
  Geometric Deep Learning: the Erlangen Programme of ML
- **Kyu Jin Cho**
  Soft bodied robots for human centered design of robots for everyday life
- **Yejin Choi**
  Commonsense AI: Myth and Truth
- **Alexei (Alyosha) Efros**
  Self-Supervision for Learning from the Bottom Up
- **Timnit Gebru**
  Moving beyond the fairness rhetoric in machine learning
- **Kate Saenko**
  Is My Dataset Biased
- **Manuela Veloso**
  AI in Finance: Scope and Examples

Paper Award Winners:

- Fully-Connected Layers with Quaternions: Parameterization of Hypercomplex Multiplications with 1/n Parameters by Aston Zhang, Yi Tay, Shuai Zhang, Alvin Chan, Anh Tuan Luu, Siu Hui, and Jie Fu
- Complex Query Answering with Neural Link Predictors by Erik Arakelyan, Daniel Daza, Pasquale Minervini, and Michael Cochez
- EigenGame: PCA as a Nash Equilibrium by Ian Gemp, Brian McWilliams, Claire Vernade, and Thore Graepel
- Learning Mesh-Based Simulation with Graph Networks by Tobias Pfaff, Meire Fortunato, Alvaro Sanchez-Gonzalez, and Peter Battaglia
- Neural Synthesis of Binaural Speech from Mono Audio by Alexander Richard, Dejan Markovic, Israel D. Gebru, Steven Krenn, Gladstone Alexander Butler, Fernando Torre, and Yaser Sheikh
- Optimal Rates for Averaged Stochastic Gradient Descent under Neural Tangent Kernel Regime by Atsushi Nitanda, and Taiji Suzuki
- Rethinking Architecture Selection in Differentiable NAS by Ruochen Wang, Minhao Cheng, Xiangning Chen, Xiaocheng Tang, and Cho-Jui Hsieh
- Score-Based Generative Modeling through Stochastic Differential Equations by Yang Song, Jascha Sohl-Dickstein, Diederik P Kingma, Abhishek Kumar, Stefano Ermon, and Ben Poole

Four of the Outstanding Paper Awards are featured in each of the Outstanding Paper sessions 1 and 2.

Learn more about ICLR and follow the community updates on ICLR's Medium page.

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