Fact Sheet: 34th Annual Conference on Neural Information Processing Systems

(NeurIPS) Location: First Virtual Conference

2020 Attendance and Registration:
- Number of participants at virtual conference: 22,011
- Registrants: 75.6% Male, 22.7% Female,1.7% undeclared
- 6,105 speakers: 85.5% Male, 12.8% Female, .7% undeclared

Past Attendance and Locations:
Main Conferences, workshops and tutorials:
- 2019 Vancouver, British Columbia, Canada: 13,000
- 2018 Montreal, Quebec, Canada: 8,648
- 2017 Long Beach, California, United States: 8,008
- 2016 Barcelona, Spain: 5,231
- 2015 Montreal, Quebec, Canada: 3,852
- 2014 Montreal, Quebec, Canada: 2,581
- 2013 Lake Tahoe, California, United States: 1,994
- 2012 Lake Tahoe, California, United States: 1,676
- 2011 Granada, Spain: 1,452
- 2010 Vancouver, British Columbia, Canada: 1,354

Research Content:
- Tracks in main conference: up to 7
- Number of papers accepted: 1,898
- Number of papers submitted: 9,467
- Acceptance percentage: 20%
- Number of workshops 60
- Number of tutorials: 16
- Number of competition tracks: 16

All accepted papers can be found in the pre-proceedings:
Each accepted paper has a poster that has a link to a pre-recorded video, and possibly other material found here: https://proceedings.neurips.cc/paper/2020.

Affinity Groups Represented:
- Black in AI (BAI)
- [Dis]Abilities in AI
- Jews in ML
- Latinx in AI (LXAI)
- Muslims in AI
- Queer in AI (QAI)
- Women in Machine Learning (WiML)

Invited Talks:
- ***Charles Isbell - Georgia Tech***
  - o *You Can't Escape Hyperparameters and Latent Variables: Machine Learning as a Software Engineering Enterprise*
- ***Jeff Shamma - KAUST***
  - o *Feedback Control Perspectives on Learning*
- ***Shafi Goldwasser - UC Berkeley***
  - o *Robustness, Verification, Privacy: Addressing Machine Learning Adversaries*
- ***Chris Bishop - Microsoft Research***
  - o *The Real AI Revolution*
- ***Saiph Savage - WVU & UNAM***
  - o *A Future of Work for the Invisible Workers in A.I.*
- ***Marloes Maathuis - ETH Zurich***
  - o *Causal Learning*
- ***Anthony M Zador - Cold Spring Harbor Laboratory***
  - o *The Genomic Bottleneck: A Lesson from Biology*

Awards:
- **Best Paper Award:**
  - "Language Models are Few-Shot Learners"
  - Authors: Tom Brown, Benjamin Mann, Nick Ryder, Melanie Subbiah, Jared Kaplan, Prafulla Dhariwal, Arvind Neelakantan, Pranav Shyam, Girish Sastry, Amanda Askell, Sandhini Agarwal, Ariel Herbert-Voss, Gretchen Krueger, Tom Henighan, Rewon Child, Aditya Ramesh, Daniel M. Ziegler, Jeffrey Wu, Clemens Winter, Christopher Hesse, Mark Chen, Eric Sigler, Mateusz Litwin, Scott Gray, Benjamin Chess, Jack Clark, Christopher Berner, Sam McCandlish, Alec Radford, Ilya Sutskever, Dario Amodei
  - Institution: OpenAI
- **Best Paper Award:**
  - "No-Regret Learning Dynamics for Extensive-Form Correlated Equilibrium"
  - Authors: Andrea Celli (Polimi), Alberto Marchesi (Polimi), Gabriele Farina (CM) and Nicola Gatti (Polimi)
  - Institutions: Politecnico di Milano and Carnegie Mellon University
- **Best Paper Award:**
  - "Improved guarantees and a multiple-descent curve for Column Subset Selection and the Nystrom method"
  - Authors: Michał Dereziński, Rajiv Khanna, Michael W. Mahoney
  - Institution: University of California, Berkeley
- **Test-of-Time Award:**
  - Hogwild: A Lock-Free Approach to Parallelizing Stochastic Gradient Descent (NeurIPS 2011)
  - Authors: Benjamin Recht, Christopher Re, Stephen Wright, Feng Niu
  - Institution: University of Wisconsin-Madison (at the time)

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