



TUTORIALS

- **Pay Attention to What You Need: Do Structural Priors Still Matter in the Age of Billion Parameter Models?**
Irina Higgins · Antonia Creswell · Sébastien Racanière
- **Real-Time Optimization for Fast and Complex Control Systems**
Toshiyuki Ohtsuka
- **Machine Learning With Quantum Computers**
Maria Schuld · Juan Carrasquilla
- **A Journey Through the Opportunity of Low Resourced Natural Language Processing — An African Lens**
Vukosi Marivate · David Adelani
- **The Art of Gaussian Processes: Classical and Contemporary**
César Lincoln C Mattos · Felipe Tobar
- **ML for Physics and Physics for ML**
Shirley Ho · Miles Cranmer
- **Self-Supervised Learning: Self-Prediction and Contrastive Learning**
Lilian Weng · Jong Wook Kim
- **Message Passing In Machine Learning**
Wee Sun Lee
- **Machine Learning & Statistics for Climate Science**
Karen A McKinnon · Andrew N Poppick
- **Beyond Fairness in Machine Learning**
Timnit Gebru · Emily Denton

INVITED SPEAKERS

- **How Duolingo Uses AI to Assess, Engage and Teach Better**
Luis von Ahn
- **The Banality of Scale: Why Computing (desperately) Needs Community-Driven Innovation to Advance**
Mary Gray
- **Do We Know How to Estimate the Mean?**
Gabor Lugosi
- **Benign Overfitting**
Peter Bartlett
- **Optimal transport: Past, Present, and Future**
Alessio Figalli
- **A Conversation on Human & Machine Intelligence**
Daniel Kahneman
- **Gender, Allyship & Public Interest Technology**
Meredith Broussard
- **The Collective Intelligence of Army Ants, and the Robots They Inspire**
Radhika Nagpal

OTHER EVENTS

COMPETITIONS & DEMOS Dec 6th - 10th	DATA SETS & BENCHMARKS Dec 6th - 10th	AFFINITY GROUPS Dec 6th - 10th	NEURIPS SOCIALS Dec 6th - 10th	ONLINE MEET UPS Dec 6th - 10th	NEURIPS WORKSHOPS Dec 13th - 14th
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