

SPONSORS

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AGENDA

MACHINE LEARNING FOR HEALTHCARE 2018

AUGUST 17-18

STANFORD UNIVERSITY

PARKING

FRIDAY

Visitor parking at the Stock Farm Garage, Via Ortega Garage, or the Roble Field Garage are all within each walking distance. But I would recommend people do a ride share from wherever they are staying instead. Also, there is a free shuttle, the Marguerite, that runs from very close to the hotel to the med school — schedule here (hotel is right next to Palo Alto Transit Center stop) and more general information here

SATURDAY

All parking is free and unrestricted, so people can do whatever they like.



AUGUST 9-10, 2019
UNIVERSITY OF MICHIGAN



www.mlforhc.org

THURSDAY, AUGUST 16, 2018

Tutorial Session A: ML for Clinicians

- 13:30-16:30 **Michael C. Hughes**, PhD, Harvard University: Applying ML to Multi-Modal Health Data

Tutorial Session B: Healthcare for ML Researchers

- 13:30 **Arnie Milstein**, MD; Professor of Medicine & Director of the Clinical Excellence Research Center, Stanford University: How can ML be used to both lower costs and improve the quality of healthcare
- 14:15 **Nigam Shah**, PhD, MBBS; Associate Professor of Medicine & Biomedical Data Science, Stanford University: A brief introduction to the US healthcare system
- 15:00 **Christopher Sharp**, MD; CMIO at Stanford Healthcare: What data gets produced in a hospital (and where, when and why)
- 15:45 **Albert Chan**, MD, MS; Chief Digital Patient Experience, Sutter Health: Last mile technologies and use cases to reach patients outside the clinic

FRIDAY, AUGUST 17, 2018

- 8:00- 8:45 Breakfast
- 8:45 - 9:00 Welcoming Remarks
- 9:00- 9:45 **Abraham Verghese**, MD, MACP, Stanford University "Machine Learning, Story and the Two Culture Proposition in Medicine"
- 9:45-10:30 **Cynthia Dwork**, PhD, Harvard University "Theory for Society: From Problem to Practice"
- 10:30-11:00 Coffee Break and Discussion
- 11:00-12:00 Contributed Spotlights- Research Paper Track
- 12:00-14:00 Posters A & Lunch

Friday, August 17, 2018 (Continued)

- 14:00-14:45 **Russell Greiner**, PhD, University of Alberta "Working with Medical Colleagues to Produce Effective Predictor Systems"
- 14:45-15:30 **Joyce Lee**, MD, MPH, University of Michigan "When perfect algorithms meet Imperfect healthcare systems"
- 15:30-16:00 Coffee Break and Discussion
- 16:00-17:00 Contributed Spotlights - Research Paper Track
- 17:00 Posters B & Dinner

SATURDAY AUGUST 18, 2018

- 8:30-9:00 Breakfast
- 9:00-9:45 **Mohammed Saeed**, MD, PhD, University of Michigan "Unlocking Healthcare Data to Support Research in Machine Learning"
- 9:45-10:30 **Danielle Belgrave**, PhD, Imperial College London and MSR Cambridge "From Endotype Discovery towards Personalised Healthcare"
- 10:30-11:00 Coffee Break and Discussion
- 11:00-12:00 Contributed Spotlights - Clinical Abstract Track
- 12:00-13:30 Lunch & Clinical Track Posters
- 13:30-14:15 **Andrew Ng**, PhD Stanford University "Artificial Intelligence: Transforming healthcare access and delivery"
- 14:15-15:30 Panel
- 15:30-15:45 Closing Remarks
- 16:00-17:00 Feedback Discussion Session