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SAVE THE DATE



AUGUST 14-15, 2020
DUKE UNIVERSITY
DURHAM, NC

Machine Learning for Health Care 2019

August 8-10, 2019

UNIVERSITY
OF MICHIGAN
ANN ARBOR

915 E. Washington St.
Ann Arbor, MI 48104



Improving Health Care Through Collaboration

www.mlforhc.org

2019 Workshop - Community Data Challenge

Thursday August 8th, 2019, UM North Quad Dining Room

- 10:00 - 12:00 **Learn.** Introduction to the datasets & Google Cloud Platform (GCP)
What are the data? Where did they come from?
- 12:00 - 13:15 **Lunch & Connect.** Team Formation
- 13:15 - 14:30 **Explore.** Hands-on worksheet/tutorial exploring the data within GCP.
- 14:30 - 16:00 **Collaborate.** Discuss opportunities with teammates.
- 16:00 - 17:00 **Pitch.** Each team will present their problem to a panel of judge.
- 17:00 - 17:30 GCP Prizes & Closing Remarks.

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2019 Main Conference Agenda

Friday, August 9, 2019, Rackham Auditorium

- 8:00 - 8:45 Breakfast & Check-in
- 8:45 - 9:00 Welcoming Remarks
- SESSION 1**
- 9:00 - 9:45 **Noemie Elhadad**, PhD, Associate Professor in Biomedical Informatics and Computer Science, Columbia University
- 9:45 - 10:15 Contributed Spotlights - Research Paper Track
- 10:15 - 10:45 Coffee Break and Discussion
- 10:45 - 11:30 **Andrew Rosenberg**, MD, Chief Information Officer for Michigan Medicine, University of Michigan
- Supporting Advanced Analytics at Michigan Medicine: Experiences and Lessons Implementing Novel Data & Information Solutions at UM**
- 11:30 - 12:00 Contributed Spotlights - Research Paper Track
- 12:00 - 14:00 **Posters A & Lunch**
- SESSION 2**
- 14:00 - 14:45 **Pilar Ossorio**, PhD, JD, Professor of Law and Bioethics, Law School, University of Wisconsin
- Justice in Machine Learning for Health Care**

- 14:45 - 15:15 Contributed Spotlights - Research Paper Track
- 15:15 - 15:45 Coffee Break and Discussion
- 15:45 - 16:30 **Mert Sabuncu**, PhD, Assistant Professor, School of Electrical and Computer Engineering, Cornell University
- Adaptive Compressed Sensing MRI with End-to-End Deep Learning**
- 16:30 - 17:00 Contributed Spotlights - Research Paper Track
- 17:00 **Posters B & Strolling Dinner Reception**

Saturday August 10, 2019

- 8:30 - 9:00 Breakfast
- SESSION 3**
- 9:00 - 9:45 **Mihaela van der Schaar**, PhD, John Humphrey Plummer Professor of ML, AI and Medicine, University of Cambridge
- Learning Engines for Healthcare: Transforming medicine through AI-enabled healthcare pathways**
- 9:45 - 10:15 Contributed Spotlights - Clinical Abstract Track
- 10:15 - 10:45 Coffee Break and Discussion
- 10:45 - 11:30 **Roy Perlis**, MD, MSc, Professor of Psychiatry, Harvard University
- 11:30 - 12:00 Contributed Spotlights - Clinical Abstract Track
- 12:00 - 13:30 Lunch & Clinical Track Posters
- SESSION 4**
- 13:30 - 14:15 **Rajan Dewar**, MD, PhD, Associate Professor, Michigan Medicine, University of Michigan
- ML in Global Health: Can ML tools help implement cost effective health care solutions in Low and Middle Income Countries?**
- 14:15 - 15:30 **Katherine Heller**, PhD, Duke University and Google Medical Brain
- Panel Discussion**
- 15:30 - 16:30 Closing Remarks
- 16:30 - 16:45 Feedback Discussion Session
- 17:00