Mind & Machine Virtual Summit Agenda

UC Santa Barbara
June 1 – 3, 2021

June 1, 2021 — AI, Doctors, and Patients

9:00am   **Welcome and Opening Remarks**
Miguel Eckstein and William Wang

9:05am   *Keynote*: **What AI Can Teach Us About Human Intelligence**
Ziad Obermeyer, Public Health, UC Berkeley

10:05am   Moderator: Misha Sra, Computer Science, UC Santa Barbara

10:15am   **Death by Siri: The Dangers of Asking AI for Medical Advice**
Tim Bickmore, Computer Science, Northeastern University

10:40am   **Machine Learning in Real-world Healthcare Settings: How Far We Have Come and Where We Are Going**
Katherine Heller, Statistical Science, Duke University and Google Medical Brain

11:05am   **Shadow Learning: Building Robotic Surgical Skill When Approved Means Fail**
Matt Beane, Technology Management Program, UC Santa Barbara

11:35am   **Q&A**

12:00pm   Meeting adjourns

June 2, 2021 — AI, Radiology, and Decisions

9:00am   *Keynote*: **Intelligent Imaging: From Acquisition to Precision Medicine**
Sharmila Majumdar, Bioengineering and Therapeutic Sciences, UC San Francisco

10:00am   Moderator: Miguel Eckstein, Psychological and Brain Sciences, UC Santa Barbara

10:10am   **AI for Breast Cancer Screening in Europe: Possibilities and Current Results**
Ioannis Sechopoulos, Radiology and Nuclear Medicine, Radboud University

10:35am   **Machine Intelligence in Critical Care; Role of Interpretability and Trust**
Shamim Nemati, Biomedical Informatics, UC San Diego

11:00am   **AI-Enabled Systems in Medical Imaging: FDA Research in Support of Regulatory Pathways**
Kyle Myers, Division of Imaging, Diagnostics, and Software Reliability, FDA

11:30am   **Q&A**

12:00pm   Meeting adjourns

June 3, 2021 — AI and COVID-19

9:00am   ***Keynote*: COVID-19 Vaccinations and AI: Harnessing the Power and Avoiding the Pitfalls**
Lynn Fitzgibbons, MD, Infectious Disease Specialist, Cottage Health Santa Barbara

10:00am   <u>Moderator</u>: William Wang, Computer Science, UC Santa Barbara

10:10am   **A Journey Through the Disorderly World of Diagnostic and Prognostic Models for Covid-19: a Living Systematic Review**
Laure Wynants, Epidemiology, Maastricht University

10:35am   **Deployment of AI-Based Risk Assessment Tools for COVID at UCI - A Single-Center Experience**
Daniel Chow, Radiological Sciences, UC Irvine

11:00am   **A Deployed Model for COVID-19**
Rajesh Ranganath, Computer Science, New York University

11:30am   **Q&A**

12:00pm   Meeting adjourns