Workshop on Sensors for Mobility
May 31, 2019
Stanford University
Mackenzie Conference Room

Sensors for Mobility
Friday, May 31 ,2019

8:00 am	**Introduction & Objectives**	Waguih Ishak, SPRC
Session I		
8:10	Designing the next generation of LiDAR sensors for autonomous mobility	Jason Eichenholz, Luminar
8:40	Automotive LiDARs	Ming Wu, UC Berkeley
9:10	On chip LIDAR based on all-passive nonlinear isolator	Kiyoul Yang, Stanford
9:40	Sensors for Automotive	Dragos Maciuca, Ford
10:10 am	**Break**	
Session II		
10:30	Inverse designed optical phased arrays for LIDAR	Dries Vercruysse, Stanford
11:00	Micromechanical phased arrays for Microsecond random access scanning	Olav Solgaard, Stanford
11:30	Deep Optics	Gordon Wetzstein, Stanford
12:00pm	**Lunch & Poster Session**	
Session III		
1:00	Fabrication of components for optical & electrical sensors	Robert Visser, Applied Materials
1:30	Towards all-optical detection of chiral biomarkers with dielectric metasurfaces	Jennifer Dionne, Stanford
2:00	Real-Time Biosensors for continuously measuring	H. Tom Soh, Stanford
2:30	Smaller, smarter, cheaper optical sensors; the golden age of diffractive optics?	Xavier Lafosse, Corning
3:00pm	**Break**	
Session IV		
3:30	3D Sensing for Mobile phones	Charles Roxlo, Finisar
4:00	13xx to 15xx Laser and Detector Arrays on GaAs for Next Generation Sensing	Sabeur Siala, SJC
4:30	Nanoporous glass for sensing applications	Navaneetha Subbaiyan, Corning
5:00 pm	**Concluding Remarks & Reception**	
6:00 pm	**Adjourn**	