Wednesday, March 20, 2019
Workshops

ROOMS:	Franciscan A	Franciscan B	Franciscan C	Franciscan D	Imperial A	Imperial B
7:30 am-8:00 pm	**Registration is Open** **Grand Ballroom Foyer**					
8:00-10:00 am	*Workshop 1:* **Human Implantable Brain Machine Interfaces** *Organizers:* Leigh Hochberg, MGH/Brown and Ander Ramos, Univ Tuebingen - Germany	*Workshop 2:* **Recording of Peripheral Nerve Signals to Decode Changes in Physiological Parameters and Biomarkers of Disease** *Organizer:* Theodoros Zanos, Feinstein Inst for Medical Research - USA	*Workshop 3:* **Neuroplasticity:Technological Challenges and Ethical Considerations** *Organizers:* Michela Chiappalone and Marianna Semprini , Italian Inst of Technology - Italy	*Workshop 4:* **From Flexible Material to Cell-Scale Recording: Emerging Frontiers in Neural Interface Technology** *Organizers:* Thomas Stieglitz, Univ of Freiburg - Germany, Ellis Meng, Univ of So California - USA, Jacob Robinson, Rice Univ - USA and Jonathan Viventi, Duke Univ - USA	*Workshop 5:* **Real World Human Neuroscience: Moving Neuroimaging out of the Lab and into Complex, Naturalistic Environments and Tasks** *Organizers:* Jonathan Touryan, Army Research Lab and Paul Sajda, Columbia Univ - USA	*Workshop 6:* **NeuroTech Entrepreneurship and Innovation** *Organizers:* Metin Akay, Univ of Houston - USA, Silvestro Micera, EPFL - Switzerland and Emilio Sacristan, UAM Iztapalapa - Mexico
10:00-10:30 am	Break - Franciscan Foyer					
10:30-12:00 pm	*Workshop 1:* **Ends**	*Workshop 2:* **Ends**	*Workshop 3:* **Ends**	*Workshop 4:* **Continued**	*Workshop 5:* **Continued**	*Workshop 6:* **Continued**
12:00-1:00 pm	Lunch on Own					
1:00-3:00 pm	*Workshop 7:* **Developing the Next Generation of Invasive Human Neuromodulation Therapies for Mental Health Indications** *Organizer:* David McMullen, NIH/NIMH - USA	*Workshop 8:* **Recent Advances in NeuroRobitics for Rehabilitation** *Organizers:* Jose Vidal, Univ of Houston - USA and Jose Pons, CSIC - Spain		*Workshop 4:* **Continued**	*Workshop 5:* **Continued**	*Workshop 6:* **Continued**
3:00-3:30 pm	Break - Franciscan Foyer					
3:30-5:00 pm	*Workshop 7:* **Ends**	*Workshop 8:* **Ends**		*Workshop 4:* **Ends**	*Workshop 5:* **Ends**	*Workshop 6:* **Ends**
6:30-7:30 pm	Grand Ballroom A - Welcome and Opening Ceremony ***"Insights into Human Cognition from Intracranial Recording"*** Keynote Speaker **Dr. Robert T. Knight** Professor of Psychology and Neuroscience at UC Berkeley and Professor of Neurology and Neurosurgery at UC San Francisco.					
7:30-9:00 pm	***Welcome Reception - Yosemite Room***					

Thursday, March 21, 2019
Schedule

Rooms:	Grand Ballroom A	Grand Ballroom B	Grand Ballroom Foyer	Imperial Ballroom	Francisican Rooms
7:00 am-5:00 pm	**Registration is Open** **Grand Ballroom Foyer**				
8:00-9:30 am	*Plenary Session 1:* ***Neural Devices and Systems***				
9:30-10:30 am	**"Individualized Functional Mapping of the Human Brain"** *Keynote Speaker* **Dr. Jack L. Gallant** Professor at UC Berkeley				
10:30-11:00 am	Break - Grand Ballroom B - EXHIBITIONS OPEN				
11:00-12:30 pm	*Plenary Session 2:* ***Peripheral Neuroprosthetics and Neurorehabilitation***				
12:30-1:30 pm				**"Brain and Heal Initiatives"** *Keynote Lunch Speaker* **Dr.Nick B. Langhals** Program Director for Neural Engineering within the Repair and Plasticity Cluster NINDS	***Student Lunch with Leaders*** You must be pre-signed up for this event through Cvent.
1:30-2:30 pm	**"Neural Engineering Meets Clinical Neuropsychiatry - Recent Successes, some Failures anda Peek into the Near Future"** *Keynote Speaker* **Dr. Mark George** Distinguished Professor of Psychiatry, Radiolgy and Neurosciences, Layton McCurdy Endowed Chair, Medical Univ of South Carolina				
2:30-4:00 pm	*Mini-Symposium:* ***Motor Learning and Enhancement*** *Speakers: Megan Carey - Champalimaud Center for the Unknown, Rui Costa - Zuckerman Mind, Brain and Behavior Institute and John Krakauer - John Hopkins Univ*				
4:00-4:30 pm	**Ignite Session 1**				
4:30-6:30 pm		**Poster Session 1** *Light Refreshments* *EXHIBITIONS CLOSE AFTER POSTER SESSION*			
7:00-9:30 pm	***Social Event*** **Sponsored by** **Plexon Company and Women in Engineering (WIE)** **(This is an off- property venue. Please RSVP - see ad)**				

Friday, March 22, 2019
Schedule

Rooms:	Grand Ballroom A	Grand Ballroom B	Grand Ballroom Foyer	Imperial Ballroom	Francisican Rooms
7:30 am-5:00 pm	**Registration is Open Grand Ballroom Foyer**				
8:00-9:30 am	*Plenary Session 3:* ***Neural Coding and Computation***				
9:30-10:30 am	**"Soft Implantable Bioelectronic Interfaces"** *Keynote Speaker* **Dr. Stephanie Lacour** EPFL, School of Engineering, Laboratory for Soft Bioelectronic Interfaces & Center for Neuroprosthetics, Campus Biotech, Geneva Switzerland				
10:30-11:00 am	Break - Grand Ballroom B - EXHIBITIONS OPEN				
11:00-12:30 pm	*Plenary Session 4:* ***Human Cortical Brain-Machine Interfaces***				
12:30-1:30 pm				**"Advancing Neural and Interface Systems"** *Keynote Lunch Speaker* **Dr. Al Emondi** DARPA-BTO	***Student Lunch with Leaders*** You must be pre-signed up for this event through Cvent.
1:30-2:30 pm	**"Brain-Machine Interfaces: From Basic Science and Engineering to Clinical Trials"** *Keynote Speaker* **Dr. Krishna Shenoy** Electrical Engineering, Bioengineering and Neurobiology at Stanford				
2:30-4:00 pm	*Panel Discussion:* ***Ethics of Emerging Neurotechnologies*** *Speakers: Henry Greely - Stanford Univ, Justin Sanchez - DARPA, Winston Chiong - Univ of California at SF and Laura Sullivan - College of Charleston*				
4:00-4:30 pm	**Ignite Session 2**				
4:30-6:30 pm		**Poster Session 2** *Light Refreshments* *EXHIBITIONS CLOSE AFTER POSTER SESSION*			

Saturday, March 23, 2019
Schedule

Rooms:	Grand Ballroom A	Grand Ballroom Foyer
7:30 am-12:00 pm	**Registration is Open Grand Ballroom Foyer**	
8:00-9:30 am	*Plenary Session 5:* ***Non Invasive Human Studies***	
9:30-10:30 am	**"Perturbation and Control for Human Brian Network Dynamics"** *Keynote Speaker* **Dr. Danielle Bassett** Department of Bioengineering at the Univ of Pennsylvania	
10:30-11:00 am	Break - Grand Ballroom Foyer	
11:00-12:30 pm	*Plenary Session 6:* ***Bioelectronic Medicine***	
12:30-1:00 pm	**Closing Ceremony and Awards**	