 Frontiers in

Neuromorphics Workshop

PROGRAM

APRIL 14 – Thursday

8:15 AM – 5:30 PM

Engr 4 Bldg, Shannon Room 53-134

|  |  |
| --- | --- |
| TIME | PRESENTER |
| 8:15AM-8:45AM | Light Breakfast – Tesla Room 53-125 E4 |
| 8:45AM-9:00AM | Introduction by Dr. Joe Qiu - ARO |
| 9:00AM-9:30AM | Dr. Andrew Hudson - UCLA |
| 9:30AM-10:00AM | Dr. Wentai Liu - UCLA |
| 10:00AM-10:30AM | Dr. Eric Chung - Microsoft |
| 10:30AM-11:00AM | BREAK |
| 11:00AM-11:30AM | Dr. Igor Ovchinnikov – UCLA |
| 11:30AM-12:00PM | Dr. Hugh Blair - UCLA |
| 12:00PM-12:30PM | BREAKOUT SESSION |
| 12:30PM-2:00PM | LUNCH – Engr 4 2nd Floor Patio |
| 2:00PM-2:30PM | Dr. Helen Li – Pittsburgh University  **Title: Embrace the BRAIN Century: Challenges in Nanotechnology Enabled Neuromorphic Computing Design** |
| 2:30PM-3:00M | Dr. Shriram Ramanathan – Purdue University  **Title: Emergent Intelligence** |
| 3:00PM-3:30PM | Dr. Massimo Di Ventra – UCSD  **Title: Memcomputing: A Brain-Inspired Memory-Enabled Computing Paradigm** |
| 3:30PM-4:00PM | BREAK |
| 4:00PM-4:30PM | Dr. Hyunsang Hwang – Postech  **Title: ReRAM-based Analog Synapse and IMT Neuron Device for Neuromorphic System** |
| 4:30PM-5:00PM | Dr. Wei Lu – University of Michigan  **Title: Memristors: from Devices to Neuromorphic Computing Applications** |
| 5:00PM-5:30PM | BREAKOUT SESSION |
| 6:30PM-8:00PM | DINNER – Faculty Center |

APRIL 15 – Friday

8:00 AM – 2:30 PM

Engr 4 Bldg, Shannon Room 53-134

|  |  |
| --- | --- |
| TIME | PRESENTER |
| 8:00AM-8:30AM | Light Breakfast – Tesla Room 53-125 E4 |
| 8:30AM-9:00AM | **Dr. Dmitri Strukov – UCSB**  **Title: Neuromorphic Computing with Emerging Memory Technologies** |
| 9:00AM-9:30AM | Dr. Amir Khosrowshahi – Nervana Systems  **Title: Rethinking Computation: A Processor Architecture for Artificial Intelligence** |
| 10:00AM-10:30AM | BREAK |
| 10:30AM-11:00AM | Dr. Kwabena Boahen – Stanford University |
| 11:00AM-11:30AM |  |
| 11:30AM-12:00PM | BREAKOUT SESSION |
| 12:00PM-2:00PM | LUNCH –Tesla Room 53-125 E4 |
| 2:00PM-2:30PM | ADJOURN |