

10th SenSIP Industry-University Summer Meeting / Preliminary Agenda, June 22 - University Club

Co-Organized by ASU and ITESM

Focus on Sensors and Machine Learning for Health and IoT Applications

Preliminary Agenda

8:00 am Breakfast - Registrations

8:30 am Introductions

8:45 am Welcome ASU Associate, Cheryl Conrad, Vice President for Research

9:00 am "Status of SenSIP / Membership Drive," A. Spanias, SenSIP Director

9:15 am "Sensor Arrays: Opportunities for leveraging active matrix display architecture", Greg Raupp , Director, MacroTechnology Works Initiative

9:30 am "Fluorescence-Based Sensing, Quantitative Point of Use Diagnostics", Jennifer Blain Christen, Professor ECEE

9:45: am "Ion Channel and Nanopore Sensors - Signal Processing Challenges," Michael Goryll, Professor ECEE

10:00 am Coffee Break

10:15 am "Sensors for Health Diagnostics," Karen Anderson, Biodesign Institute

10:30 am "SenSIP I/UCRC activities with NXP; Current results and Future plans," Mike Stanley, Senior Engineer

10:45 am " Visible and IR Imaging Components and Systems from Alphacore," Andrew Levi, Alphacore Inc.

11:00 am "ASU, SenSIP SBIR collaboration models," John Mitchell, Director Corporate Relations, ASU GOEE

11:15 am **The ComSIP Center and its Collaboration with SenSIP**, Cesar Vargas, Director ITESM COMSIP

11:30 am "Company Profiles - 1 slide each"

11:45 am " Graph Signal Processing using Deep Neural Networks - Applications in Biological Data Analysis," Jayaraman Thiagarajan, Technical Staff, Lawrence Livermore Labs

12:00 pm SenSIP REU and Graduate Student Researchers - "One Minute Elevator Pitch" followed by posters

12:15 Lunch and Posters and Networking

2:00 pm "Sensor and Vision Research," Pavan Turaga, Professor ECEE/AME

2:15 pm " Wireless Characterization Challenges in Complex Environments, Leyre Azpilicueta, ITESM

2:30 pm " Communications and Sensors," Cihan Tepedelenioglu, Professor ECEE

2:45 pm " Position Location in 3D Ad-Hoc Networks: a General Perspective," Rafaela Villalpando Hernández, ITESM

3:00 pm Adjourn