SenSIP Industry-University Summer 2019 Meeting

Final Program

SenSIP Industry-University Event, July 2, 2019
College Ave Commons - Sun Devil Market Place, Room: Devil’s Oasis, 660 S College Ave

Industry and University Presentations, Student Research Poster Session

Sponsored in part by the NSF I/UCRC program and the ASU SenSIP Center.
Technical Co-Sponsor: IEEE Phoenix SPCOM Chapter

http://sensip.asu.edu
Agenda

8 am - Light Breakfast
8 25 am Introductions
8:30 am Mike Stanley, Machine Learning from MCU to Cloud, NXP, (Industry Plenary Talk) (30 min)
9:00 am Satish Narayanan, Making sense of food with blockchain, RIPE.io (20 min)
9:20 am Kristen Jaskie, Positive Unlabeled Machine Learning and Applications, ASU SenSIP (20 min)
9:40 am Robert LiKamWa, "Hybridizing the Digital and Physical with Augmented Reality Systems," (20 min)

10 am Coffee (20 min)

10:20 am Anthony Bajoras, MedTech Ventures: A new model for innovation and commercialization of biosensors and their applications, CXO Management (20 m)
10:40 am Suren Jayasuriya, ASU, Synchronized Projector-Camera Systems for Light Transport Estimation (20 min)
11:00 am Joe Marvin, PSG, Radar Sensors and Machine Learning (20 min)
11:20 am Andreas Spanias, ASU SenSIP Center Sensor and Machine Learning Activities (20 min)
11:40 am REU and Graduate Student Research - Elevator Pitch (15 students - 1 slide each)

12 PM Lunch, REU Student Posters and Networking

REU and Graduate Student Research Posters

2:30 pm Adjourn

REU POSTERS

Poster 1: Machine Learning for Energy Segmentation & Forecasting, D. Smith
Poster 2: Towards Autonomous Thermal Imaging Robots for Heat Sensing, O. Christie
Poster 3: Point-of-Care HPV Diagnostic Refinement, R. Flores
Poster 4: Deep Learning to Identify and Predict Objects in the Environment, N. Sagers
Poster 5: Mobile Temperature & Humidity Control Chamber, B. Hertneky
Poster 6: Machine Learning Classification of Wireless Communication Signals, L. Song
Poster 7: Explosive Vapor Sensors for Cyber Physical Systems to Protect Crowds, G. Romero
Poster 8: Light Transmittance in Turbid Environments for Marine Bycatch Technology, J. Reavis
Poster 9: Kalman Filter Driven Video Subsampling for Energy Efficient Computer Vision, J. Martin
Poster 10: Light Transmission in Turbid Water for Marine Bycatch Technology, C. L. Sang

Additional posters by graduate students on

Positive Unlabelled Machine Learning
Graph signal processing
Solar panel monitoring
Image processing
Flexible sensors

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VENUE FOR JULY 2 SenSIP MEETING

ASU, College Ave Commons – Oasis Room

MAP

Hotels

A. Courtyard by Marriott Tempe 601 S Ash Ave, Tempe, AZ, US, 85281 (3 star) Phone: (800) 321-2211
B. The Graduate Hotel Tempe, 225 E Apache Blvd, Tempe, AZ 85281 (3.5 star) Phone: (480) 967-9431
C. Tempe Mission Palms 60 E 5th St, Tempe, AZ 85281 (4 star) Phone: (480) 894-1400
D. Moxy Hotel (formerly 1333 Hotel) - 1333 S Rural Rd, Tempe, AZ 85281 (3 star) Phone: (480) 968-3451

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