Program of the 6th International Workshop on Computer Vision for Physiological Measurement (CVPM)

In conjunction with IEEE-CVPR 2023

Time/Date: 8:00 AM – 12:30 PM, June 19, 2023 (half-day workshop, hybrid)

Time zones (reference time): Vancouver, BC, Canada (GMT-7)

Zoom Link: Provided to online speakers, only for registered attendees

Invited keynotes

Dr. Daniel McDuff

Google Research

Prof. Ioannis Pavlidis

University of Houston

Workshop Schedule

Talks:

- Invited keynote: 45 min content + 15 min Q&A
- Accepted oral: 5 min content + 15 min group Q&A
- Coffee break: 20 min

Session 1 (Time zone GMT-7, June 19, 2023)		
Time (AM)	Type	Title
8:00 - 9:00	Keynote	**Dr. Daniel McDuff (Google Research)**
9:00 - 10:00	Accepted orals (9)	Deep Learning-Enabled Sleep Staging From Vital Signs and Activity Measured Using a Near-Infrared Video Camera
		Photoplethysmography imaging algorithm for real-time monitoring of skin perfusion maps
		Improving Systolic Blood Pressure Prediction from Remote Photoplethysmography Using a Stacked Ensemble Regressor
		A Temporal Encoder-Decoder Approach to Extracting Blood Volume Pulse Signal Morphology from Face Videos
		Camera-based Recovery of Cardiovascular Signals from Unconstrained Face Videos using an Attention Network
		Promoting Generalization in Cross-Dataset Remote Photoplethysmography
		Full-Body Cardiovascular Sensing with Remote Photoplethysmography
		Contactless Respiratory Rate Monitoring For ICU Patients Based On Unsupervised Learning
		Real-Time Estimation of Heart Rate in Situations Characterized by Dynamic Illumination using Remote Photoplethysmography
		Group Q&A
10:00 – 10:20 (20 min coffee break)		

Session 2		
Time (AM)	Type	Title
10:20 – 11:20	Keynote	**Prof. Ioannis Pavlidis (University of Houston)**
11:20 - 12:20	Accepted orals (9)	LSTC-rPPG: Long Short-Term Convolutional Network for Remote Photoplethysmography
		Frequency Tracker for Unsupervised Heart Rate Estimation
		Multi-View Body Image-Based Prediction of Body Mass Index and Various Body Part Sizes
		Respiratory Rate Estimation Based on Detected Mask Area in Thermal Images
		Single Image based Infant Body Height and Weight Estimation
		Camera based Eye State Estimation for ICU Patients: A Pilot Clinical Study
		Remote mass facial temperature screening in varying ambient temperatures and distances
		Deep learning-based image enhancement for robust remote photoplethysmography in various illumination scenarios
		Optimizing Camera Exposure Control Settings for Remote Vital Sign Measurements in Low-Light Environments
		Group Q&A
12:20 – 12:30 (Best paper award announcement)		