

The Eighth International Conference on Image Processing Theory, Tools and Applications

November 7-10,2018 Xi'an, China



Conference Program



Xi'an, China



Program at glance

Wednesday 7 Nov	Thursday 8 Nov	Friday 9 Nov	Saturday 10 Nov
Registration Open	Registration Open	Registration Open	Registration Open
(09:00 – 18:00)	(08:30 –)	(08:30)	(08:30)
Tutorial	Opening	Keynote Talk 3	Oral Session
(14:00 – 15:00)	(09:00 – 09:30)	(09:00 – 10:00)	(09:00 – 10:00)
Coffee Break	Keynote Talk 1	Coffee Break	Coffee Break
(15:00 – 15:30)	(09:30 – 10:30)	(10:00 – 10:20)	(10:00 – 10:20)
Tutorial	Coffee Break	Oral Session	Oral Session
(15:30 – 17:30)	(10:30 – 10:50)	(10:20 – 11:50)	(10:20 – 11:20)
	Keynote Talk 2	Lunch	Lunch
	(10:50 – 11:50)	(11:50 – 13:30)	(11:20 – 13:30)
	Lunch	Keynote Talk 4	Oral Session
	(11:50 – 13:30)	(13:30 – 14:30)	(13:30 – 14:30)
	Oral Session	Coffee Break	Coffee Break
	(13:30 – 15:00)	(14:30 – 14:50)	(14:30 – 14:50)
	Coffee Break	Oral Session	Oral Session
	(15:00 – 15:20)	(14:50 – 16:50)	(14:50 – 15:50)
	Oral Session	Dinner	Awards
	(15:20 – 16:50)	(19:00 – 21:00)	(15:50 – 16:30)
	Reception (19:00 – 21:00)		



Abstract:

Market research estimates there will be as many as 20 billion connected devices in the market by 2020. These devices are expected to generate billions of petabytes of data traffic between cloud and edge devices. In 2017 alone, there were as many as 8.4B connected devices, highlighting the need to preprocess data at the edge. This has led many IoT device manufacturers, especially those working on vision-based devices like smart cameras, drones, robots, and AR/VR, to bring intelligence to the edge.

Through the recent addition of the Intel® Movidius[™] Vision Processing Unit (Intel® Movidius[™] VPU) technology to its existing AI edge solutions portfolio, Intel is well positioned to provide solutions to help developers and data scientists pioneer the low-power intelligent edge devices segment. Dr. Sofiane Yous will introduce the key features of Intel Movidius VPU technology and give you a hands-on overview of the Intel® Movidius[™] Neural Compute Stick, a miniature deep learning hardware development platform that you can use to prototype, tune, and validate your AI programs (specifically deep neural networks).



Thursday 8 November 2018		
Location: International Conference Center (Room 5) of Northwestern Polytechnical University		
08:30 - 16:00	Registration	
09:00 09:30	Opening	
09:30 10:30	Keynote Talk #1 Chair: Fabio Roli	
	Novel Machine Learning Solutions for Pertinent Applications	
	Speaker: Prof. Moncef Gabbouj, Department of Signal Processing, Tampere	
	University of Technology, Finland	
10:30 10:50	Coffee Break	
10:50 11:50	Keynote Talk #4 Chair: Xiaoyi Feng	
	3D Scene Cognition and Multi-Modal Learning	
	Speaker: Assoc. Prof. Huimin Ma, Director of 3D Image Lab, Tsinghua University,	
	China	
11:50 13:30	Lunch @ Zhenghe Hotel	









2018	The Eighth International Conference on Image Processing Theory, Tools and Applications November 7-10,2018,Xi'an,China
J'A	
13:30 14:30	 Oral session: Deep Learning and Database Chair: Rachid Jennane Classification of LiDAR point cloud based on multi-scale features and PointNet Zhao zhongyang*; Cheng yinglei Extracting painted pottery pattern information based on deep learning Jinye Peng; Kai Yu; Jun Wang*; Qunxi Zhang; Cheng Liu; Lin Wang FACE - Face At Classroom Environment: Dataset and Exploration Oscar Karnalim*; Setia Budi; Sulaeman Santoso; Erico Handoyo; Hapnes Toba; Huyen Nguyen; Vishv Malhotra A Look At Non-Cooperative Presentation Attacks in Fingerprint Systems Emanuela Marasco*; Stefany Cando; Larry Tang; Luca Ghiani; Gian Luca Marcialis
14:30 - 14:50	Coffee Break
14:50 – 15:50	 Oral session: Deep Learning and Database An experimental investigation on self adaptive facial recognition algorithms using a long time span data set Giulia Orrù*; Gian Luca Marcialis; Fabio Roli ► InNet: Learning to Detect Shadows with Injection Network_
	 Zhongyun Hu*; Xiaoyue Jiang <u>Research on Low-Resolution Pedestrian Detection Algorithms based on R-CNN</u> with Targeted Pooling and Proposal Peng Shi*; Jun Wu; Kai Wang; Yao Zhang; JiaPei Wang; JuneHo Yi <u>A New Database for Evaluating Underwater Image Processing Methods</u> Yupeng Ma*; Xiaoyi Feng; Zhaoqiang Xia; Dong Huang; Xiaoyue Jiang
15:50 16:30	Awards & closing Chair: Xiaoyi Feng