The IEEE North Jersey Section Computer Society Chapter
and the
Gildart Haase School of Computer Sciences and Engineering at FDU
sponsor a talk on

Image Processing Pipeline of Digital Camera
By
Dr. Zhicheng Ni
Intel Mobile Communications

Abstract
This talk will cover CMOS sensor digital image capture and image processing pipeline. Introduction about different techniques applied in image capture pipeline, such as bayer pattern raw image format, auto exposure, auto white balance, auto focus, bad pixel correction, lens shade correction, JPEG compression etc.

Biography: Dr. Zhicheng Ni received his Ph. D. in Electrical and Computer Engineering from NJIT, 2004 and part of his thesis work on image watermarking ended up in the JPEG2000 standard. For this work he received in 2010 a Thomas Alva Edison Patent Award. After receiving his Ph. D. Zhicheng worked at various companies on the integration and enhancement of video encoders and decoders. Dr. Ni has experience with various hardware platforms including TI and Starcore DSPs. Currently he is a staff engineer of Intel Mobile Communications to work on camera and image algorithmic solutions.

All are welcome!
You do not have to be a member of the IEEE to attend. Bring your friends and network during the free pizza starting at 11:45 A.M.

Time: 12:00PM, Wednesday, 26 February, 2014, pre-meeting pizza starting at 11:45 AM.

Place: Muscarelle Center, Auditorium 105 Fairleigh Dickinson University, 1000 River Rd, Teaneck, NJ 07666.

http://www.fdu.edu/visitorcenter/directions/teaneck_map.html

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