北京大学高能效计算与应用中心学术报告

Invited Talk, Center for Energy-Efficient Computing and Applications

CHALLENGES AND OPPORTUNITIES OF MOBILE DEVELOPMENT

Dr. Xiang Chen

Department of the Computer Engineering
George Mason University

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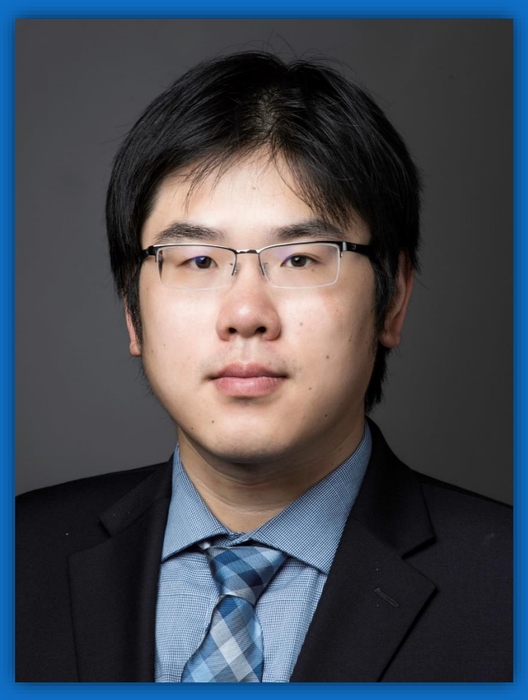
理科五号楼410会议室



ABSTRACT: Mobile devices have become the horsepower of electronic industry in the past few years. During this burst period, more and more challenges have emerged regarding the usability, power consumption, security and computing efficiency of the mobile platforms. In the meantime, the presence of innovative devices and applications, such as the VR/AR headset and wearable devices also provided extremely valuable research topic from the perspectives from the circuit level, system level and algorithms level. In this talk, Dr. Xiang Chen will present his research works on mobile computing, mobile graphic acceleration and mobile security technologies. He will also give a brief introduce to the George Mason University and his Intelligence Fusion Laboratory.

BIOGRAPHY: Xiang Chen received his B.S. in Automatization from Northeastern University, China and M.S./Ph.D degree in ECE from the University of Pittsburgh, USA.

His research interests include mobile display, low power graphic computing and mobile security technology. In the past years, he has published more than 30 papers in the top international conferences/journals, and received many best paper nominations and other awards. He also stays in close cooperation with not only academia society (such as, Duke, UCSB, PITT, Syracuse, Tsinghua, HKUST, CityU, etc.), but also industries, such as the research labs of HP, Samsung, MSRA, Marvell, Amazon and Apple.

Now, Xiang Chen is an Assistant Professor in the Department of the Computer Engineering of the George Mason University. The main campus of George Mason University is in the City of Fairfax, Virginia, approximately 24 km west of Washington, DC. Mason is now ranked among the highest research institutions by the Carnegie Classification of Institutions of Higher Education. U.S. News and World Report ranks Mason as one of the top 10 "Up-and-Coming Institutions" for national universities, and top 100 "Best Engineering Graduate Schools" in Electrical & Computer Engineering (#80 in CE). It is currently the largest and most diverse university in Virginia.