



HBCU/MI Research and Engineering Success Stories within DoD

Strategies for Successful Engagement with DoD

Prairie View A&M University
Prairie View, Texas 77446, USA

November 7, 2018



Goals



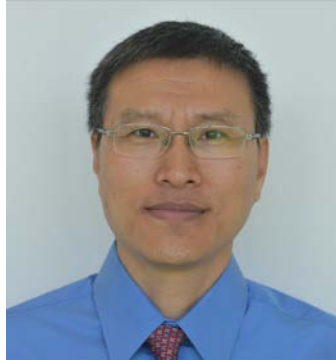
- Focus on approaches to engaging with DoD program managers for research and science, technology, engineering, and mathematics (STEM) success
- Successful DoD projects
- Experiences and lessons learned



Panel



Moderator:



**Dr. Lijun Qian,
Prairie View A&M University**

Panelists:



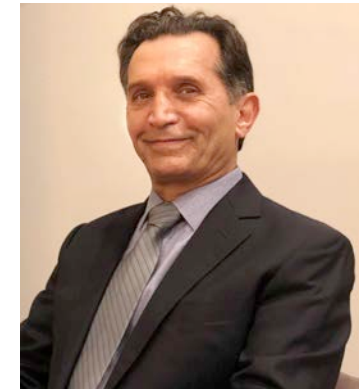
**Dr. Abdalla Darwish,
Dillard University**



**Dr. George Hsieh,
Norfolk State University**



**Dr. Tiffany Oliver,
Spelman College**



**Dr. Abdollah Homaifar,
North Carolina A&T
State University**



Prairie View A&M University



- Prairie View A&M University (PVAMU, an HBCU)
 - founded in 1876
 - the 2nd oldest public university in Texas
 - a member of Texas A&M University System
 - a land-grant university
- Roy G. Perry College of Engineering
 - There are >1,800 students in the COE;
 - offers 8 BS, 4MS and 1 PhD degrees
- ECE Department
 - BSEE and BSCE, MSEE, PhD
 - >48,000 ft² lab space
 - Multiple Research Centers, such as CREDIT, CCSB, CeBCom, etc.
 - Deep Learning Lab, etc.
- PI's Career Path
 - Join in 2003 as an assistant professor to help establish PhD program in EE, currently AT&T endowed professor
 - Supervised 10 PhD, 14 MS students and 20 senior design groups





Received DoD Support (Qian)



- DoD Center of Excellence in Research and Education for Big Military Data Intelligence (CREDIT), Role: PI, funded by the OUSD(R&E), \$5,000,000; 2015-2020.
- Vertical Integration of Information for Battlespace Awareness and Prediction, Role: PI, funded by the Department of the Navy, \$375,000; 2016-2019.
- Acquisition of Big Data Analytics Instruments for Research and Education in Big Military Data Intelligence at PVAMU, Role: PI, funded by ARO, \$498,819; 2016-2017.
- Interoperable Communications for Hierarchical Heterogeneous Wireless Networks, Role: PI, funded by ARO, \$495,468; 2012-2016.
- Acquisition and Development of A Cognitive Radio based Wireless Monitoring and Surveillance Testbed for Future Battlefield Communications Research, Role: PI, funded by ARO, \$207,227; 2014-2015.
- Battlefield LOS/BLOS Lethality Research, Role: co-PI, funded by ARO, \$500,000; 2010-2012.
- ARO Center of Excellence in Digital Battlefield Communications Research, Role: co-PI, funded by ARO, \$2,420,000; 2004-2009.