



Department of Maritime Transportation Management and Security

TEXAS SOUTHERN UNIVERSITY · 3100 CLEBURNE AVENUE · HOUSTON, TX 77004

*Maritime Transportation Management and Security in partnership with
the DHS Scientific Leadership Award*

Presents

Lecture **Mitigation Strategies for Potential Maritime Transport Cyber Security Issues**

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12:15 – 13:15 pm, Thursday, September 27, 2018, Technology Building, Room 261

Abstract

The advent of Information Technology or Cyber technology has brought a lot of benefits to every facets of our lives. The present digital revolution has also resulted in unprecedented prosperity and efficiency in our globalized economy and has become inextricably linked to all facets of our modern-day life. By all accounts, the innovations in cyber technology will continue to drive global progress well into the foreseeable future. Furthermore, it will continue to advance at astounding speeds. Ironically, the improvements that accompany the advent of cyber technology has also brought a growing number of challenges and risks that threaten the very foundation of our Nation's security and prosperity. In view of the foregoing, it is safe to say that cybersecurity is one of the most serious economic and national security challenges that is presently confronting us as a Nation. Our adversaries employ sophisticated tools and they possess substantial resources. These growing threats also pose formidable risks to our Nation's Maritime Transportation System (MTS) and critical infrastructure, and by direct extension, our Nation's security and economic stability. With approximately three hundred and sixty sea and river ports, which handle more than \$1.5 trillion in annual cargo, our Nation is critically dependent on a safe, secure, and efficient MTS, which in-turn is highly dependent on a complex, globally-networked system of automated cyber technology infrastructure. In view of the foregoing, various strategies suitable for mitigating the vast array of cyber threats confronting our Maritime Transportation System industry will be presented.

Bio-sketch



Dr. Anetor received his B.Sc. degree (First Class Honors) in Mechanical Engineering from the University of Lagos, Nigeria, M.Sc. degree in Marine Engineering from the University of London, United Kingdom and his PhD degree in Mechanical Engineering (specialization in Internal Combustion Engines and Computational Fluid Dynamics) from the University of British Columbia, Vancouver, Canada. Furthermore, he obtained a Master of Arts degree in Mathematics from the University of Houston, Texas, USA. He was a former Professor of Mechanical Engineering at Kwara State University, Nigeria. Professor Anetor was also an Adjunct Faculty at the ITT Technical Institute, Houston, Texas, where he taught undergraduate courses in Information Systems Security, Network Engineering Design and Implementation and Industrial Control Systems. He is actively engaged in research and consulting in the areas internal combustion engines and cyber-security of industrial control systems. Professor Anetor has published in local and international journals. He has also delivered lectures and seminars to Fortune 500 petrochemical, medical and process automation enterprises in Canada and the USA. Professor Anetor was the Director of Information Security at Fort Bend Independent School District, Sugar Land, Texas, USA. He is a Licensed Professional Engineer in the State of Texas, USA and a Certified Information Systems Security Professional.

Lunch will be served
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