



Defending the MicroGrid: Critical Infrastructure Protection for the Future of Power Distribution

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ABOUT THE DISCUSSION LEADER



- MR. PAUL BRAGER, JR HAS BEEN A CONTRIBUTING MEMBER OF THE CYBER SECURITY COMMUNITY FOR OVER 20 YEARS, COVERING THE SPECTRUM OF THE DISCIPLINE FROM SECURITY ARCHITECTURE AND DEFENSIVE DESIGN TO SECURITY OPERATIONS AND INCIDENT RESPONSE. HE HAS EXTENSIVE CYBER EXPERIENCE IN OIL AND GAS, MANUFACTURING, CHEMICAL, AND TELECOMMUNICATIONS SECTORS, HAVING HELD VARIOUS LEADERSHIP, UP TO AND INCLUDING CSO OF AN EMERGENCY MANAGEMENT AND INCIDENT RESPONSE ORGANIZATION. IN HIS CURRENT CAPACITY AS A CYBER SECURITY ARCHITECT, ICS/SCADA/EA SME FOR ENERGY AND MANUFACTURING WITH BOOZ ALLEN HAMILTON, MR. BRAGER WORKS CLOSELY WITH ENERGY, CHEMICAL AND MANUFACTURING CLIENTS TO TRANSFORM AND MATURE THEIR CRITICAL MANUFACTURING AND OPERATING INFRASTRUCTURE AGAINST CYBER-ATTACK, AND PROVIDE ACTIONABLE AND TIMELY TELEMETRY TO ASSIST IN INCIDENT RESPONSE AND POSTMORTEM FORENSICS, AGAINST SOME OF THE WORLD'S MOST COMPLEX ADVERSARIES
- PAUL HOLDS A BACHELOR OF SCIENCE DEGREE FROM TEXAS A&M UNIVERSITY IN POLITICAL SCIENCE, WITH A MINOR IN BUSINESS, A MASTER'S OF SCIENCE IN ADMINISTRATION OF JUSTICE AND SECURITY (CRIMINAL JUSTICE/CYBER BLENDED) FROM THE UNIVERSITY OF PHOENIX, AND IS AN ALPHA PHI SIGMA INDUCTEE SINCE 2009. ADDITIONALLY, MR. BRAGER IS CISSP, GICSP AND CISM CERTIFIED, AND IS CURRENTLY PURSUING HIS TOGAF AND OSCP CERTIFICATIONS, IN ADDITION TO SERVING AS AN ADJUNCT PROFESSOR WITH THE UNIVERSITY OF PHOENIX, TEACHING CYBER SECURITY COURSES WITHIN THERE IS&T PROGRAM. HE IS CURRENTLY INVOLVED AS A NON-VOTING BOARD MEMBER OF ISSA (SOUTH HOUSTON CHAPTER), ISA-99 WORKING COMMITTEE MEMBER, ICSJWG COMMITTEE MEMBER AND CONTRIBUTOR, INFRA GARD, OWASP, ISACA, ISC2, NSBE AND VARIOUS OTHER FOCUS GROUPS AND CYBER-FOCUSED ORGANIZATIONS, AND REGULARLY HAS SPEAKING ENGAGEMENTS WITH INDUSTRY GROUPS AND PEER COLLABORATIONS. HE IS PASSIONATE ABOUT THE SECURITY PROFESSION AND LOOKS FORWARD TO MOVING THE NEEDLE IN CYBER, AND HELPING OTHERS DO THE SAME.

KEY DISCUSSION TOPIC AREAS

- MICROGRID SECURITY OVERVIEW
- COMMON DEFENSE CONSIDERATIONS
- CHALLENGES WITH MICROGRID SECURITY
- IOT AND MICROGRID CYBERSECURITY IMPLICATIONS
- MICROGRID SECURITY AND DISTRIBUTION



