Joe Jesson's Workshop

Title: Can Students Help When the Grid Fails?

Description:
This workshop introduces students to meaningful Cybersecurity projects which will contribute to student knowledge and skill sets which will educate and prepare the students for a power grid or communications failure (terrorist or natural disaster attack). Imagine if your local power grid and cellphone failed and you were left standing in the dark and isolated without telephone or Internet access?

This workshop provides answers and offers communications preparation resources and solutions. Prepared and FCC-licensed students saved lives and quickly helped police and emergency communications. Students were using hand-held communications equipment to help the police!

Bio:
Joseph Jesson has 25+ years in the embedded wireless system, Telemetry, Telematics, M2M, and the Internet of things (IoT) space. Joe is currently the Chair of the Princeton IEEE Life Group and CEO of RFSigint, a wireless & IoT patent/IP portfolio analytics company. Joe has held the Chief Technology Officer (CTO) position at General Electric, where he was awarded the GE Edison Award in 2007. Currently, he is Adjunct Professor at The College of New Jersey (since 2013) and teaches Digital Design, Circuit and Electronics Lab, Embedded Systems and Embedded Labs, Control Theory and Controls Lab, etc. Joe has held CTO positions at Able Devices, Assurenet, Software and Systems Architecture positions at Amoco/ BP, Product Manager at OAK Technology, and staff engineering positions at Motorola and The University of Chicago. Joe has a Master's degree from DePaul University in Chicago and is currently working on his PhD dissertation at NJCU in Jersey City, NJ.