RSA Conference 2016

TeleTrusT/GABA/Symantec VIP Panel

Industry 4.0: How vulnerable is the Future of the Industrial Internet to Cybercrime & Cyber Espionage?

Date: February 29, 2016
Time: 11:30h - 12:00h Registration
                   12:00h - 12:30h Networking Lunch
                   12:30h - 02:00h GABA/TeleTrusT Panel Discussion
                   02:00h - 02:15h Break
                   02:15h - 03:30h TeleTrusT/Symantec Security Solution Showcase
                   03:45h - 04:15h Refreshments and Networking

Location:
Hotel Courtyard Marriott San Francisco
299 2nd St.
San Francisco
CA 94105

Why you should attend:
Production is the backbone of Germany's economic performance. Industry 4.0 is the German strategic initiative intended to take a pioneering role to shape the revolution of the manufacturing sector. Industry 4.0 is finding its way into production toward what the U.S. calls the Industrial Internet of Things. Machine to Machine communication will revolutionize factories. On-demand production of highly individualized products like cars, appliances and luxury goods require short logistic chains to the end customer. Smart Maintenance, Global Optimization and Local Autonomy are the main themes we would like to discuss with our panelists.

The Industrial Internet of Things will change how Industrial Automation networks are designed and used, both now and in the future. IoT will increase the productivity of the Industrial Automation network. With the large number of currently deployed connected end devices, the understanding of the value of new data that is available at the end device, the deployment of cyber security practices, Industrial Automation is already part of the Internet of Things.

However, with all these enabled connected devices in Industrial Automation and the desire to communicate more data there is a concern for cyber security. Stuxnet taught us this. We will learn from our panel what the solutions are to support encryption and other cyber security requirements.

Moderation:
Howard Schmidt, Retired Special Assistant to the President, Cyber Security Coordinator at Executive Office of the President, White House

Panel:
Donna F. Dodson, Deputy Cyber Security Advisor at National Institute of Standards and Technology
Rajiv Sivaraman, Vice President & Head - Plant Security Services at Siemens Industry Inc
Norbert Pohlmann, Chairman, TeleTrusT - IT Security Association Germany
Joerg Borchert, Vice President, Infineon Technologies
Kurt Roemer, Chief Security Strategist, Citrix Systems
Brian Witten, Senior Director, IoT Security, Symantec

All registered attendees are invited to attend a **Security Solutions Showcase**, immediately following the panel discussion.

TeleTrusT/Symantec Security Solution Showcase

Presentations of Current German Innovations on Cybersecurity and Discussion of Ideas for Cooperation

Time   02:15 - 03:45 pm

Cyber-attacks aiming at fraud, espionage and sabotage are among the most serious threats our economies are facing today. The Security Solutions Showcase presents Current German Innovations on IT-Security and will discuss the efficiency of various anti cyber-attack technologies. TeleTrusT - IT Security Association Germany - invites you to discuss the views of innovative German players. Speakers from digitronic, TÜV-SÜD, Sirrix and Detack will present their solutions.

Keynote: The steps to trustworthiness of IT solutions: a German experience
Joachim Weber, Head of Department 31 New Technologies and Conformity Projects, BSI Germany, Federal Office for Information Security

Moderation:
Thomas Hemker, Security Strategist, CISM - Central Europe CTO Office, Symantec

Agenda:

- Digitronic: Secure usage of mobile devices securely in a production environment - MyCapp(tm) a utopia?
- TÜV-SÜD Rail GmbH: Certification according to IEC 62443 scheme: Burden or added value?
- Rohde & Schwarz Cybersecurity: Security by Design: Large-Scale Deployments & Lessons Learned
- Detack GmbH: Password Security - Are Passwords out of Date?

Secure usage of mobile devices securely in a production environment - MyCapp(tm) a utopia?
The use of private mobile end devices (BYOD) being integrated into company networks is growing, but there is, however a significant disadvantage of private devices not being subject to the existing security standards considered essential in company environments.
Huge challenges are: no manipulation and legal certainty one side and on the other side: coupling to sensitive IT infrastructure.
The abstraction of these requirements in a device- and operating system-independent logical layer represents a new approach. MyCapp(tm) ensures the platform- independent connection of mobile devices to processes that interact confidentially in the framework of Industry 4.0.
The presentation should introduces the MyCapp(tm) (my company application) concept and lead to discussions with prospective customers who have already decided to develop at least conventional apps, but are interested by cost sharing to go forward together with digitronic.

Lecturer: Matthias Kirchhoff, digitronic Computersysteme GmbH

Matthias Kirchhoff is the Managing Director of digitronic® computer systems. Born on October 15, 1958, studying Information Technology 1980-1985 at TH Karl-Marx-Stadt, Section on Information Technology. 1985 Degree: Dipl.-Ing. for information technology. From 1985 - 1990 Software developer, from 1990 - to 1991 in technical support / sales. 1991 foundation of digitronic® computer systeme gmbH and Managing Director of digitronic® computer Systeme GmbH.

Certification according to IEC 62443 scheme: Burden or added value?
In this session the evolving IEC 62443 standard family will be introduced which addresses security for IACS. Concepts and methodologies of the IEC 62443 like network zoning or Security Levels will be presented. Challenges and pitfalls running security programs to implement security measures and management systems will be discussed (see the discussion of probability estimations within risk analysis approaches). Then, certifications of products of manufacturers and system integrators will be described.

Lecturer: Dr. Thomas Störtkuhl, TÜV SÜD Rail GmbH

Dr. Thomas Störtkuhl is responsible for the industrial IT security team within the TÜV SÜD Rail GmbH. Thomas Störtkuhl is an experienced senior consultant in the field of IT security. He led security team in large scale projects also for international companies in various branched like automotive, energy, telecommunication, manufacturing and infrastructures. He has long term (since 1998) experience in the field of information security, risk management, ITIL processes, public key infrastructures, cryptography, identity management and application security. He is certified as ISO/IEC 27001 auditor, Certified Information Systems Security Professional (CISSP), Certified Information Security Manager (CISM), Certified Information Systems Auditor (CISA), Business Continuity Management System BS25999 Lead Auditor.

Security by Design: Large-Scale Deplyoments & Lessons Learned
"Anti-Virus is dead" and it has been apparent that a paradigm change in IT security architectures towards pro-active security, or security by design is required to again take over control over However, are these concepts capable of addressing large-scale deployments? In this session, we will showcase example of real-case, large-scale deployments and discuss learned lessons.

Lecturer: Ammar Alkassar, CEO, Rohde & Schwarz Cybersecurity

Ammar Alkassar serves as CEO of Sirrix AG security technologies, one of Germany's leading security suppliers. He holds a B.Sc. in Electrical Engineering and Computer Science and a M.Sc. in latter from Saarland University. Before joining Sirrix, Ammar was senior researcher at the German Research Center for Artificial Intelligence and at Stevens Tech, NJ and HUT, Helsinki. CEO Ammar represents as IT Security Association Germany (TeleTrusT) board member Germany's Network and Information Security (NIS) industry. Moreover, he's Director of the European Competence-Center for IT- Security.

Password Security – Are Passwords out of Date?
In modern enterprises and organizations the passwords remain one of the most dangerous security risks – users still set weak, predictable passwords; this must not only be prevented, but also detected and corrected. This session looks at passwords from a mathematical and encryption point of view and shows measures of how to create password resilience.

Lecturer: Costin Enache, Co-Founder & Lead Auditor, Detack GmbH

Costin has over fifteen years of experience in IT security auditing and vulnerability assessment of financial institutions, state organizations and industrial enterprises. His expertise includes the technical and organizational security knowledge needed to cover all different types of services required in the information technology security sector. Costin's core competency is in security auditing and vulnerability assessment of ATM and POS solutions as well as classic banking, e-banking and online trading systems. In addition, he is specialized on technical environments such as IBM mainframes and mid-range systems, UNIX systems, Microsoft Windows based systems as well as specialized application frameworks such as SAP and database environments.

About us

TeleTrusT – IT Security Association Germany
TeleTrusT is a widespread competence network for IT security comprising members from industry, administration, research as well as national and international partner organizations with similar objectives. With a broad range of members and partner organizations TeleTrusT embodies the largest competence network for IT security in Germany and Europe. TeleTrusT provides interdisciplinary fora for IT security experts and facilitates information exchange between vendors, users and authorities. TeleTrusT comments on technical, political and legal issues related to IT security and is organizer of events and conferences. TeleTrusT is a non-profit association, whose objective is to promote information security professionalism, raising awareness and best practices in all domains of information security. TeleTrusT is carrier of the "European Bridge CA" (EBCA; PKI network of trust), the quality seal "IT Security made in Germany" and runs the IT expert certification programs "TeleTrusT Information Security Professional" (T.I.S.P.) and "TeleTrusT Engineer for System Security" (T.E.S.S.). TeleTrusT is a member of the European Telecommunications Standards Institute (ETSI). The association is headquartered in Berlin, Germany.

GABA - German American Business Association
GABA is a member-driven non-profit organization that fosters transatlantic knowledge-sharing and networking among German-American and Californian business and tech communities. GABA is dedicated to encouraging German-American business and trade. Our programs address critical business, technical and leadership issues, with specific industry programs focused on life science, semiconductors, venture capital, and legal corporate governance, among others. GABA members represent all facets of the international professional business community including high-tech and life science firms, trade specialists, bankers, venture capitalists, insurance, government officials, attorneys, translation firms, marketing firms, consultants, and entrepreneurs. Meet with our members through an online membership database and in person at our weekly, monthly and annual networking events.

Symantec
Symantec was founded in 1982 by visionary computer scientists. The company has evolved to become one of the world's largest software companies with more than 18,500 employees in more than 50 countries. We provide security, storage and systems management solutions to help our customers – from consumers and small businesses to the largest global organizations – secure and manage their information-driven world against more risks at more points, more completely and efficiently than any other company