



## Speaker

### Virginia Franke Kleist, Ph.D.

Virginia Franke Kleist, Ph.D. is Chair, MIS Department and Professor of Management Information Systems (MIS) at the College of Business and Economics, West Virginia University. Additionally, she is the Program Coordinator for the Business Data Analytics degree. The MIS Department houses degrees in MIS, Global Supply Chain Management, and an online/hybrid Master of Science in Business Cybersecurity.

Dr. Kleist holds a BA in Economics from Duke University, MA in Economics from the University of Pittsburgh, MBA from Marquette University, MS in MIS and a PhD in MIS with a minor in Telecommunications, also from the University of Pittsburgh.

Dr. Kleist's publications are in *IS Frontiers*, *Journal of Information Systems*, *Journal of Information Security and Privacy*, *Journal of Computer Information Systems*, and others. Her research includes the economics of information technologies, data security, and IT security auditing issues. Professor Kleist has conducted research into optimizing security via biometrics.

Dr. Kleist spent 10 years in industry in network management operations for Verizon, Joy Technologies, Inc., PNC Corporation, and the Allegheny Health, Education and Research Foundation. She was an officer of the bank while at PNC Corporation. Her experiences at these organizations focused on wide area networking and network security, as well as technology operations and security related issues. A key theme of her decade of managerial work experience was to understand how to value the organizational ROI for IT expenditures.

Dr. Kleist was a Fulbright Specialist in Russia at the Vegu Academy and in Ukraine at the National Mining University. She has presented her research in Australia, China, Finland, India, and Bahrain. Dr. Kleist was a WVU College of Business Dean's Scholar recipient in 2015, and is a longtime elected member of the WVU Faculty Senate Executive Committee. Dr. Kleist was honored for being one of the WVU Foundation Outstanding University Teachers for 2003.

#### West Virginia University, a leader in the field.

WVU is exceptionally strong in forensic accounting and fraud investigation, business data analytics, and management information systems, working closely with industry and government in both education and application.

#### RUW College of Business and Financial Sciences, a strong reputation in Bahrain.

The College of Business and Financial Sciences at RUW has a strong reputation in the Kingdom of Bahrain. Its three Bachelor of Business programs received "Confidence" (the highest rating) in 2008 and 2014 as part of Quality Assurance Authority for Education and Training (QAAET) Program Review. The College regularly organizes workshops for the business and financial community (Family Business, 360...).



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Workshop on

## "Cyber Security Assurance Management"

April 29-30, 2018

### Registration Fee Payment Details

Please indicate preferred method of payment:

- Bank transfer (see bank account information below)
- Cash payment upon arrival (for attendees & students only)

**Payment by Bank Transfer:** After you wire the total registration fee of BD 300 to our bank account as stated below, the (scanned) proof of transfer must be sent by email with the registration form to Mr. Sajevan Valluvapally: [sajevan@ruw.edu.bh](mailto:sajevan@ruw.edu.bh)

#### For Bank Transfer

Account Name: Royal University for Women  
Bank Name: Bahrain Islamic Bank  
Account Number: 100 00 00 16444  
Swift Code: BIBBBHBM  
IBAN No: BH32BIBB00100000016444 Kingdom of Bahrain

Please note that the payments must be made before the workshop date.



Speaker:

Virginia Franke Kleist, Ph.D.

## Objectives

- Participants will be able to perform a basic information security risk assessment
- Participants will be able to develop the foundation of an information/digital disaster recovery plan
- Participants will gain an understanding of data communications, tools, and management strategies
- Participants will gain an overview of digital hacking and threats to systems
- Participants will be able to describe the benefits of proper compliance management for systems and information security communications weaknesses, and an analysis of cyber hacking cases will be utilized

## Benefits of Attending the Workshop

In the dynamic environment of today's information age, effective management requires a broad understanding of your firm's position and capabilities in the digital environment. This workshop will assist leaders in understanding and counteracting information threats from within and outside of the organization, and it will provide guidance and tools for improving your organization's position.

- Professional development on digital and information security management
- Improved awareness of security threats from within and outside the organization
- Opportunities to network with other professionals in similar positions and interests
- Hands-on experience with analysis and evaluation, planning and protection, and case studies related to the business information environment
- Certificate of Completion

## Program Itinerary

Day 1	April 29, 2018
Breakfast and Registration	8:15am - 8:50am
Inaugural Ceremony	9:00am - 9:30am
<b>Session 1</b> – Management of Security Risks and Cyber Threats in Private and Public Sector Organizations	9:30am - 11:00am
<ul style="list-style-type: none"><li>• Disaster recovery planning, disaster recovery teams, risk assessment and impact, data storage and recovery, data center design, evaluating security of cloud services, intellectual property theft management, management of sensitive information, meeting regulatory compliance requirements, protection of computers and networks in business</li></ul>	
Coffee Break	11:00am - 11:15am
<b>Session 2</b> – Hands-On Activities	11:15am - 1:00pm
<ul style="list-style-type: none"><li>• Writing a DRP, performing a risk assessment, analyzing a data center security case, reviewing products that protect intellectual property, role playing a DRP drill, examining 10 real world security disasters</li></ul>	
Lunch and Prayer Break	1:00pm - 2:00pm

<b>Session 3</b> – Security in Networks	2:00pm - 3:30pm
<ul style="list-style-type: none"><li>• An overview of the TCP/IP model and related technologies of the data communications' corporate infrastructure as well as a survey of the essential tools and strategies for the secure, effective management of business networks</li></ul>	
Coffee Break	3:30pm - 3:45pm
<b>Session 4</b> – Hands-On Activities	3:45pm - 4:45pm
<ul style="list-style-type: none"><li>• Capturing packets, weaknesses and vulnerabilities of wireless technologies and networks, using Wireshark, reconnaissance and targeting activities, port scanning</li></ul>	

Day 2	April 30, 2018
<b>Session 1</b> – Information Systems Threats and Controls	8:15am - 9:45am
<ul style="list-style-type: none"><li>• Delivering the CIA of Security: Confidentiality, Integrity, and Availability, management tools to build and maintain a secure enterprise, which includes malware, threats, controls, countermeasures, policies, procedures, and the various management and auditing processes needed in a networked enterprise; identifying the controls and countermeasures that we use to defend our systems, introducing cryptography and the use of keys for security as well as delivering security via crypto for financial transactions cryptography management approaches</li></ul>	
Coffee Break	9:45am - 10:00am
<b>Session 2</b> – Who are the hackers, and what are they doing to our systems?	10:00am - 11:00am
<ul style="list-style-type: none"><li>• Target acquisition, penetration testing, intrusion detection systems, the hacker culture, the Tor network, response to attacks, firewall designs, password management, risk from IoT devices and handhelds, cryptography management</li></ul>	
<b>Session 3</b> – Compliance Management for Security and Financial Benefit	11:00am - 12:30pm
<ul style="list-style-type: none"><li>• Risk and compliance management, the IT audit, the cost of security losses, the field of information ethics, including such topics as privacy, accessibility, censorship, intellectual property, accuracy, virtual reality and artificial intelligence. Includes legal procedures and laws of data security and investigations</li></ul>	
Lunch and Prayer Break	12:30pm - 2:00pm
<b>Session 4</b> – Hands-On Activities	2:00pm - 3:30pm
<ul style="list-style-type: none"><li>• Working with compliance management, risk management and audit management, analysis of cases to determine the organizational cost of breaches of systems</li></ul>	
Closing Ceremony	3:30pm - 4:00pm

# Registration Form

## Workshop On Cyber Security Assurance Management April 29-30, 2018

**Public Fee:** 300 BD including breakfast, coffee breaks, lunch, and certificate of attendance.

**Student Fee:** 100 BD including breakfast, coffee breaks, lunch, and certificate of attendance.

**Title:** \_\_\_\_\_

**Last Name:** \_\_\_\_\_

**First Name:** \_\_\_\_\_

**Position:** \_\_\_\_\_

**Department:** \_\_\_\_\_

**Organization:** \_\_\_\_\_

**Organization's Address:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Office Phone Number:** (\_\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

**Mobile Phone Number:** (\_\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

**Email Address:** \_\_\_\_\_

Event will be hosted at the Royal University for Women.



Gate 366 Muaskar Highway • West Riffa 942 • Kingdom of Bahrain

For further information about the workshop, please contact  
Mrs. Aysha Murad, Director of WWU/RUW Global Portal-Bahrain  
Phone:+ 973 17764270 • Mobile: +973 38866314 • Email: [amurad@ruw.edu.bh](mailto:amurad@ruw.edu.bh)