

SIRACon 2020 Pre-conference Training Day

Registration site: <https://siracon20.busyconf.com/bookings/new>

Date: Tuesday, April 21, 2020

Breakfast: 7:30am-8:30am

Time: 8:30am-5:00pm eastern

Venue: Florida Aquarium, 701 Channelside Dr., Tampa, FL 33602

Contact: board@societyinforisk.org for more information

Local contact: Lisa Young, 813-404-9456, younglr39@gmail.com

Price: \$199 Breakfast and lunch included

CPE: 6.5 hours

Objective: Have each student walk away with a good understanding as to where risk analysis fits into risk management and decision-making, reasons why quantitative risk analysis is useful, problems that CAN and CANNOT be solved by risk analysis, and some hands-on skill-building.

Learning objectives:

- Overview of the risk management process
- Discussion of methods used in risk assessment and analysis
- Qualitative and quantitative models and tools
- The need for a common language for risk (taxonomy)
- Developing risk scenarios
- Hands-on work with risk models

Format: Lecture and hands-on workshop-style session in which quantitative models and methodologies are covered. Bring a laptop with a web browser and Microsoft Excel if you would like to participate hands-on. If you prefer not to bring your laptop you are welcome to observe, take notes, ask questions.

Preparation: An email will be sent with read-ahead material and links to download tools before arriving on-site in Tampa.

Instructor Bios:

Tony Martin-Vegue is a writer, speaker and risk expert with a passion for data driven decision making. He brings his expertise in economics, cyber risk quantification and information security to advise senior operational and security leaders on how to integrate evidence-based risk analysis into business strategy. He has led risk teams for several Bay Area financial institutions and in the words of his eight-year-old son, has spent much of the last 20 years "Fighting criminals on the internet." Tony can be found at www.tonym-v.com

Lisa R Young is an operational risk and security metrics professional with a passion for solving problems with data. She brings her expertise in engineering, business operations, risk management, and cybersecurity to help organizations visualize what risk-based decision-making really looks like in practice. Her superpower is making the vision of integrated risk management a reality with an innovative and procedural approach that fits the culture and mission. Lisa can be found at: www.linkedin.com/in/lisa-r-young

Detailed Agenda

Time	Topic	Details
7:30am – 8:30am	Breakfast	
8:30am – 9:00am	Introductions	Meet your instructors and get an overview of the day
9:00am – 10:00am	Introduction to risk management	Overview of risk management and risk analysis models
10:00am – 11:00am (includes break)	Hands on: Risk scenario building	How to construct risk scenarios, includes instructor-led group work. Participants will be given a fictitious company and will create 5 high level risk scenarios.
11:00am – 12:00pm	Hands on: Qualitative risk analysis	Participants will perform a qualitative risk analysis using NIST 800-30 on the 5 risks created in the previous group work.
12:00pm - 12:30pm	Lunch	
12:30pm – 1:00pm	Calibration training	Lightning fast calibration training! Participants will learn the basics of estimation in risk analysis and controlling for cognitive biases.
1:00pm – 2:15pm (includes break)	Fitting risk models to your risk management program	How to fit risk analysis models to a larger risk management program; primer on developing and using impact criteria; introduction to quantitative risk.
2:15pm – 3:30pm	Hands on: Where do I get my data?	Research methods; determining data breach probability using external data and sampling techniques
3:30pm – 4:30pm	Hands on: Quantitative risk analysis	Convert a qualitative risk register to quantitative using subject matter experts and Monte Carlo simulation.
4:30pm – 5:00pm	Wrap up	Final thoughts and Q&A; tips from the trainers on how to get the most out of the SIRAcon main sessions