



## SIRACon 2018 Agenda

Quick view		
Day 1		
Time	Title	Speaker/Responsible persons
07:45-17:00	Registration	Volunteers
07:45-08:45	Breakfast on site	
08:30-08:40	Welcome and Kickoff	SIRA Board
08:40-09:15	Measuring what Matters	Lisa Young
09:15-09:30	MORNING BREAK 1	SIRA Board, Wait staff, volunteers
09:30-10:30	The Art of Metrology	Apolonio Garcia
10:30-10:45	MORNING BREAK 2	SIRA Board, Wait staff, volunteers
10:45-12:00	Data Chefs – take something raw and make it consumable	Jeremy Alexander and Ward Giannini
12:00-13:00	Lunch- Survey time	SIRA Board, Wait staff, volunteers
13:00-14:15	Down the open source rabbit hole	Kymberlee Price
14:15-14:30	AFTERNOON BREAK – Door prize drawing	SIRA Board, Wait staff, volunteers
14:30-15:45	Data is everywhere	Jay Jacobs
15:45-17:00	Crowdsourced probability	Tony Martin-Vegue
17:00-19:00	HAPPY HOUR	SIRA Board, Wait staff, volunteers
Day 2		
08:00-12:00	Registration	Volunteers
08:30-08:40	Welcome and Day 2 Kickoff	SIRA Board
08:40-09:45	Math is hard	Max Blumenthal and Christie Gross
09:45-10:45	Evaluator – Open source quantitative risk management made easy	David Severski
10:45-11:00	MORNING BREAK	SIRA Board, Speakers, volunteers
11:00-12:00	Accounting for bias in risk analysis – don't trust your gut	Evan Wheeler
12:00-13:00	LUNCH; OPTIONAL- Q&A SESSION	
13:00-14:15	Think you know black swans – think again	Russell Thomas
14:15-14:30	CLOSING REMARKS	SIRA Board



## Detailed view: Day 1

### 08:30-08:40 Welcome and KICKOFF

**08:40-09:15-Measuring What Matters- Lisa Young.** It is critical to measure the right things in order to make better-informed management decisions, take the appropriate actions, and change behaviors. But how do managers figure out what those right things are? Questions will be posed to help you set objectives for measurement in your organization.

### 09:15-09:30 MORNING BREAK

**09:30-10:30-The Art of Risk Metrology- Apolonio Garcia.** In business, an organization's ability to manage risk (combine sometimes with good ol' fashioned luck) can be the difference between profit and loss, or growth and bankruptcy. But the old adage "you can't manage what you don't measure" is now more real than ever, especially as our data-hungry decision-makers struggle to understand their information and cybersecurity risk. This is where risk metrology can play a role.

### 10:30-10:45 MORNING BREAK

**10:45-12:00-Data chefs – take something raw and make it consumable - Jeremy Alexander and Ward Giannini.** We will share some successful case studies of data analytics resulting in usable input metrics for risk analysis. Walkthroughs of analysis process and outcomes.

- Analyzing vulnerability scans and sensitive record counts (Jeremy Alexander)
- Analyzing Incident Response person hours data (Ward Giannini)
- Interactive discussion and Q&A

### 12:00-13:00 LUNCH – Attendee survey

**13:00-14:15-Down the open source software rabbit hole – Kymberlee Price.** Does your organization use open source software? Do you understand the risks inherent in these dependencies and how they are being managed in your environment? After watching Equifax be compromised by an OSS vulnerability, how are you sleeping at night?

### 14:15-14:30 AFTERNOON BREAK

**14:30-15:45-Data is everywhere – Jay Jacobs.** One of the classic complaints in performing risk analysis is the lack of data, or worse, the lack of "actuarial-quality data". This talk will explore data sources and walk through use cases of gathering the data, parsing and aggregating disparate data sources and continue through extracting and applying the information into your next risk analysis.

**15:45-17:00 –Crowdsourced probability estimates- Tony Martin-Vegue.** Probability estimates are the cornerstone of any good risk assessment in which data is sparse or expensive to come by, and are often thought of as one of the best ways to supplement existing information with subject matter expertise. Many risk analysts, however, can run into issues when trying to integrate the opinions of many subject matter experts into a risk management program. Some of these problems are: seemingly contradictory probability estimates, bias that can creep into results and the challenge of collecting and using large amounts of data.



**17:00-19:00 Happy Hour – END OF DAY 1**

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**Day 2: 08:30-08:40 – Welcome to second day kickoff.**

**08:40-09:45-Math is hard: Compliance to continuous risk management– Max Blumenthal and Christie Gross.** Moving from a compliance mindset to a culture of risk management requires a progressive shift toward a secure, integrated, and continuously monitored environment. Cultural roadblocks may challenge risk professionals to innovate unique approaches to communicate risk and its perception with senior leadership. Participants at this session will learn how to integrate assessments, monitoring, and risk processes to develop a risk management program, while avoiding key cultural and communication pitfalls.

**09:45-10:45-Evaluator – Open source quantitative risk management made easy - David Severski.** Many risk assessments use qualitative approaches which are resistant to detailed analysis. This session introduces an open source library for the R language for performing a repeatable quantitative risk management at a strategic level which organizations can use to start making real progress in increasing their risk management capabilities.

**10:45-11:00 MORNING BREAK**

**11:00-12:00-Accounting for bias in risk analysis – don't trust your gut – Evan Wheeler.** In any risk analysis, there will always be some degree of uncertainty and bias. Learn the most common reasons why organizations struggle to manage risk effectively, and how to avoid those same mistakes. Areas of focus include cognitive bias and assessment confidence techniques. Using a structured analysis approach, security professionals can better measure and prioritize their potential risk exposure. Explore how to identify different kinds of bias during the analysis process, and how to adjust for it. This workshop style session includes interactive exercises to reinforce the concepts of group analysis dynamics and confidence transparency.

**LUNCH 12:00-13:00 – OPTIONAL- Q&A SESSION** – During the opening welcome, and breaks, we will solicit questions to be answered during this panel session. The speakers will make up the panel members to answer questions.

**13:00-14:15-Think you know Black Swans – Think Again – Russell Thomas.** Taleb's "Black Swan" metaphor for rare or hard-to-predict events is a conceptual mess. It's done more harm than good. Q: how can we Risk Analysts think about it? How can we communicate effectively with non-specialists? In this entertaining and informative talk, you'll learn an *analytic framework* for understanding why rare events can be surprising or "unpredictable". Ten (or more) "colors" of "swans" will be presented, with familiar examples as well as cyber security examples.

**14:15-14:30 CLOSING REMARKS**