



Opening Keynote:  
**Michael Rogers, Practical Futurist**

*Meeting the Challenges of the Twenties*

Never before has the CIO's life been so...interesting. Business, government and society are all in the midst of creating a vast new digital infrastructure, from smart sensors and cognitive computing to wearable computers, extended social networks and virtual workplaces. It's a thin yet global layer of intelligence and software that will sit atop the physical world. The organizations that thrive in the Twenties will be those who best figure out what belongs in the virtual world, what belongs in the physical world, and how you connect between them.

That puts CIOs in the midst of not just technical challenges but also broader social quandaries such as the nature of privacy, white collar automation, reskilling workers, the rule of law in cyberspace--not to mention the strategic direction of the enterprise itself. How can successful CIOs keep an eye on the road ahead while still meeting the daily challenges of the work?

Michael Rogers is a technology pioneer, journalist and futurist who spent two decades helping the media industry move into the future, from Newsweek and The Washington Post to most recently as futurist-in-residence for The New York Times' R&D lab. He has taken lessons learned there to other organizations, in sectors spanning healthcare and finance, to law, manufacturing, defense and many more. He speaks to audiences worldwide and is a frequent guest on television, ranging from The Today Show and PBS to CNN and The History Channel.





# The CIO Forum

The Harvard Club, New York  
November 2<sup>nd</sup>, 2017

## Seminar Sessions

Panel: Cyber Resilience – To Do or Not To Do, That Is The Question

**Moderated by Joyce Hunter, Former Deputy CIO and Former Acting CIO, US Department of Agriculture**

**Panelists:**

- **Gus Hunt, Former CTO, Central Intelligence Agency**
- **Michael Hermus, CTO, U.S. Department of Homeland Security**
- **Josh Moses, Director, Cybersecurity Performance Management, The White House, Executive Office of the President of the United States**
- **Pete Tseronis, Former CTO for both the U.S. Department of Energy and the U.S. Department of Education.**
- **Stanley Campbell, CEO, EagleForce**

Is there a price to pay for cyber security? Does an effective defense against cyber-attacks hinder an organization's effectiveness and stifle innovation and efficiency? Most firms' defenses today are comprised of a variety of proprietary products and services from multiple vendors that tend not to play very well with each other. A new cyber defense is deployed only when it becomes an agency or corporate priority to do so. This situation is guaranteed to leave IT teams in a reactive, defensive posture as their organizations battle over budget priorities instead of anticipating and planning for the future. Attend this session to understand what government and industry is doing to help agencies stay ahead of the "bad guys".

### The Role of the CIO in the Digital Age

**Larry Bonfante, Founder, CIO Bench Coach and Former CIO, US Tennis Association**

There has never been a better time for the CIO and the technology function to be a key differentiator in driving genuine business value for their organizations. The Digital age has created the opportunity for technology organizations to enable a deeper, more direct, and more personalized level of engagement with the ultimate consumers of our companies' products and services. Technology is no longer considered a back-office utility but is rather a key investment in transforming the way we do business.

For years CIOs have aspired to have that elusive seat at the proverbial table. However now that we have accomplished that goal, many IT executives find that the competencies that got them to this place are no longer sufficient to ensure their success as they transition from the back room to the board room. Larry Bonfante will discuss both the changes that are impacting the IT organization in the Digital age as well as discuss the key competencies required for success and how IT executives can work to develop these critical new skills in order to succeed in this new digital world.





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Cloud is cheaper? The answer might surprise you!

***Eamon Kearns, Senior Director, Emerging Solutions, MIT***

As cloud capabilities and popularity have grown year after year, there are now a potentially overwhelming number of options for people to use in the infrastructure and software area. There also is increasing pressure on companies to leverage the cloud from people both inside and outside the company. Often this happens without a clear understanding of the benefits and the return on investment. As a result, it can be difficult to determine exactly what the costs will be for these migrations, both one time and more importantly recurring.

At this session, you will hear about outcomes based on real world experiences moving to a cloud first strategy, with a focus on the critical things you need to be aware of before embarking on it yourself.

The Business Equation, and Engaging Your Workforce

***Khalil Smith, Founder, Smith + Grey, LLC and Former Senior Training Leader, Apple Inc.***

“Our people are our greatest resource.”

Have you heard that before? Have you said that before? Do you believe it?

This session is focused on the critical elements that make up successful organizations through a people and culture focused lens. You will take a dive into the parts of your business that really matter, and reflect on how you can look deeply and critically to evaluate the likelihood of success for groups ranging in size from teams to entire organizations.

Groups dynamics are the new point of differentiation. Join the conversation as we talk about Intent, Process, Transparency, and Outcomes, and the role these play in making harmonious and internally consistent team decisions.

It's been said that culture eats strategy for breakfast. Find out how to keep your strategy from being devoured.





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IT Transformation Journey: What success looks like - a View from the Trenches

**Anthony Iorio, Transformational Leader / Former SVP and CIO**

Companies continue to accelerate their businesses transformation and adapt the corresponding operating models to the digital landscape in response to increased competitive threats or technological disruptions. This is driving the next chapter of IT transformation of the IT function, which has never been more vital to enabling successful business outcomes. Yet, with all of the demands on IT, it is a tall challenge to gain senior business leadership support and funding to carry out a successful transformation program.

Join Anthony Iorio as he explores IT transformation from the trenches. He will compare and contrast the journey originating from "inwardly" *IT focused* to the next chapter of "outwardly" *business focused* transformation.

Anthony Iorio, a former Senior Vice President, and CIO, will walk through what it took for him to drive 3 successful major transformation programs, while delivering non-stop top business facing initiatives. Not for the faint of hearted, yet critical to long term survival of the business, Anthony's experience from the trench is sure to captivate the audience, while delivering an unforgettable session.





## Discussion Groups

### Discussion Group: Maintenance Over Innovation

#### ***Moderated by your peers***

Inspired by a recent Freakonomics podcast, this discussion group will take on the “innovation obsession” and wonder if all this focus on re-invention is costing us. More and more, innovation and driving the business is demanded of us, but we cannot forget that system maintenance will cost us in the long run if we ignore it.

Maintenance will not get us a promotion, or praise from the board, but we cannot forget that legacy systems need love too.

### Discussion Group: Digitization & Setting the IT Table

#### ***Moderated by your peers***

Once the decision for digital transformation is made, the next step can define the role (and future) of the IT Department for years to come: who will lead? The person/people defining the parameters and goals will set the position of IT – and the CIO -- within the organization.

But it's not all doom-and-gloom: There is an opportunity for the CIO with the skills to lead such a transformation to solidify their position in shaping direction and culture. Simply championing the cybersecurity aspect can ensure IT has a voice, when often it could be pushed aside.

### Discussion Group: The State of the IT Department 2017

#### ***Moderated by your peers***

Getting beyond the fads and “nice-to-haves”, this discussion group is a dive into the tangible day-to-day issues we are currently facing as CIOs. Topics to be covered will be released closer to the event.

### Discussion Group: Security 2017

#### ***Moderated by your peers***

Reconnect with peers to catch up on the latest pressures, threats, and tools to protect your assets. Come and share your experiences on the most recent successes (and failures) in IT today, and extract some tangible actions you can take back to your team to make everything a little bit more secure...





## Supplier Presentations

### Autonomous Cyber Defense: AI and the Immune System Approach

**Nicole Egan, CEO, Darktrace**

From insiders to sophisticated external attackers, the reality of cyber security today is that the threat is already inside. Legacy approaches to cyber security, which rely on knowledge of past attacks, are simply not sufficient to combat new, evolving attacks, and no human cyber analyst can watch so much or react quickly enough. A fundamentally new approach to cyber defense is needed to detect and respond to these threats that are already inside the network - before they turn into a full-blown crisis.

Self-learning systems represent a fundamental step-change in automated cyber defense, are relied upon by organizations around the world, and can cover up to millions of devices. Based on machine learning and probabilistic mathematics, these new approaches to security can establish a highly accurate understanding of normal behavior by learning an organization's 'pattern of life,'. They can therefore spot abnormal activity as it emerges and even take precise, measured actions to automatically curb the threat.

Discover why autonomous response and machine learning is the future of defense and how the 'immune system' approach to cyber security provides complete network visibility and the ability to prioritize threats in order to better allocate time and resources.

In this session, learn:

- How new machine learning and mathematics are automating advanced cyber defense
- Why full network visibility allows you to detect and autonomously respond to threats
- How smart prioritization and visualization of threats allows for better resource allocation and lower risk
- Real-world examples of unknown threats detected by 'immune system' technology

### Capitalizing on Big Data Disruption – Hadoop, Machine Learning, IOT Analytics, More

**Jeff Healey, Vertica**

As Big Data grows, your enterprise faces both challenges and market-disrupting opportunities to explore and manage larger data volumes for business value. But with seemingly endless commercial, open source, and "as-a-service" offerings hitting the market each week, how do you choose the right mix of technologies and avoid creating an accidental architecture that will limit you from future innovation? How are organizations actually achieving true bottom-line benefits from their Big Data initiatives? Join us for this session to understand how your organization can adopt an effective and agile approach to Big Data analytics, while focusing on the analytical use cases that will deliver a bottom-line and competitive impact.





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Just add water: Building Agile Organizations to brave the digital era  
**Jazz Kang, ERNI Consulting**

With over 20 years of consulting in Strategic Innovation and Technology Management, Jazz Kang aims to explore the different approaches, capability and impact organizations can take toward business agility. Together with an exploration of the results from real cases studies to adapting organizational structures towards the demands of rapid and constant change.

With an in-depth overview and collaborative, fast-paced discussion with the attendees of both the processes on paper, combined with the rigors of real experiences of changing organizational processes, structure and culture, this session invites you to look at the best practices so you too can... just add water!

Agenda:

- Strategic Innovation and Agile
- Three perspectives on Organisational Change
- Building Learning Cultures
- Case Studies and results on the market
- Discussion

