



**CROSSROADS OF AMERICA
CHAPTER**

Chapter Meeting

6:00 PM, Tuesday, September 11, 2018 www.incose-coa.org

Program:

Lean and Agile Systems Engineering of a Next Generation Energy Market System

What is it like to stand up a "right-sized" Systems Engineering capability on your company's flagship program that is under intense management scrutiny? Exciting, to say the least!

MISO operates one of the world's largest energy markets that ensures reliable and least-cost delivery of electricity to over 40 million consumers in 15 U.S. states and one Canadian province. Our Market System manages \$25 billion in energy transactions annually involving 400+ market participants in trading multiple Day-Ahead and Real-Time energy products.

MISO is applying lean and agile Systems Engineering principles to guide the development of its next-generation Market System. This multi-year 9-figure program includes redesign of many core business processes, wholesale replacement of the existing market system software and upgrading our foundational IT infrastructure to enhance system performance, improve cyber-security and create the flexibility to innovate new energy market products and services.

This presentation will highlight the challenges of standing up a "from-scratch" Systems Engineering capability that is "right-sized", i.e. lean and agile while providing the discipline and rigor required to manage the complexity of concurrent redesign of a business, its mission-critical software systems and IT infrastructure.

Presenters: Scott Turner and John Fitch



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Meeting Location / Host Site (see included directions and map to host site and parking)

SAIC
4422 Bragdon Street
Indianapolis, Indiana

Satellite Site

No satellite site this month

Remote Access: If you cannot attend at the host location, join us remotely:

Web access: <https://incose.pgimeet.com/GlobalmeetTwo> (join as a GUEST)

Audio: (719) 457-1414

Guest Passcode: 514-684-9877

Meeting RSVP

To assure that we have a (complementary) meal and seat reserved for you, please email your plan to attend to rmdenoincose@gmail.com. You do not need to be an INCOSE member to attend!

Event Schedule

6:00 – 6:10	Arrival, Security Check In
6:10 – 6:30	Light Meal, Informal Networking
6:30 – 7:00	Business Meeting
7:00 – 8:00	Program
8:00 PM	Adjourn



Business Meeting:

- Call to Order
- Approve/update minutes from March Chapter meeting
- Announcements
- Treasurer's Report
- Old Business
- New Business



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Biographies



Scott Turner has over 11 years of experience in Grid-scale power system management. He has spent his career developing innovative solutions for challenges faced analyzing and operating systems of this size and complexity. Scott is new to Systems Engineering, having recently completed an MIT Professional Certificate in Architecture & Systems Engineering, but his Bachelor's in Computer Engineering, Masters in Business Administration, and deep curiosity about how interactions between systems leads to emergent behaviors has made it a natural fit. Scott is currently leading the Systems Engineering effort at MISO and is partnering with John Fitch to deploy this capability and the associated culture changes to the organization.



John Fitch has over 30 years of experience in Systems Engineering, engineering management and methods consulting. He is a leading innovator in the fields of Requirements Management, Decision Management and Strategic Roadmapping and has been certified as an Expert Systems Engineering Professional (ESEP). He has championed the use of Decision Driven® Design and decision patterns to accelerate solution development across a wide range of industries. John is currently using this experience to stand up a lean and agile Systems Engineering capability as part of MISO's Market System Enhancement program.



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Directions to Host Meeting Site: (Indianapolis)

SAIC is located on the east side of Indianapolis, off Pendleton Pike, at 4422 Bragdon Street. See maps below.

