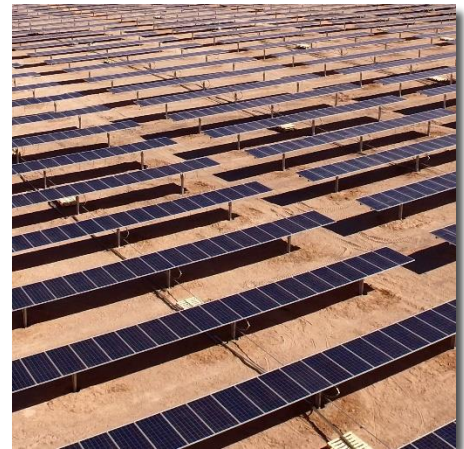# INCOSE San Diego 2018 Systems Engineering Mini-Conference
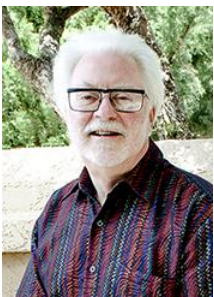
The Transformation of Systems Engineering!

Dec 1st, 2018 in San Diego, CA

Back again, **the only systems engineering conference held in San Diego**. A full-day of systems engineering presentations on topics to include Model Based Systems Engineering (MBSE), Agile SE, Artificial Intelligence, Engineering of Laws, and more!

This year's conference will center on the **transformation of systems engineering** in addressing new SE tools and techniques, increasing complexity, and the shorter time to market of today's systems.

Morning Keynote: We are happy to introduce Mr. Rick Dove, Chair of the INCOSE Agile Systems and Systems Engineering working group. Rick will discuss the Agile software (and hardware) development process and its transformational effect on systems engineering, and why every systems engineer needs to know about it.

Afternoon Keynote: There will also be an afternoon keynote. INCOSE SD is currently reviewing candidates, so please check the website beforehand for updates.

Date: December 1st, 2018 (Saturday), 8:00am – 5pm (presentations start at 9am)

Where: UCSD Extension Center, 6256 Greenwich Dr, San Diego, CA 92122 (Google Maps)

Cost: $50 INCOSE members. $60 Non-INCOSE members. $25 Students. Participants also receive a discount on the Nov 29th - 30th Agile SE Tutorial (see the webpage for details).

Refreshments: A continental breakfast as well as a lunch of sandwiches and drinks will be provided, and are included in the registration fee. Please state vegetarian preferences with your registration.

Registration: www.sdincose.org

Conference Highlights

8-9 AM **Registration, Networking and Vendor Displays** (includes light breakfast)

9 AM **Welcome and Morning Keynote** – *Agile Systems Engineering*, Rick Dove, chair of the INCOSE Agile Systems and Systems Engineering working group

12 PM **Lunch** (included)**, INCOSE Certification, Vendor Presentations**

1 PM **Afternoon Keynote** – *TBD. Please check the website beforehand for updates.*

Cybersecurity Track

- *Cyber Engineering integration into System Engineering* – Mahasa Zahirnia (NGC)
- *System Engineering Approaches to Address Cybersecurity Challenges of the Electric Grid* – Kay Stefferud (ENERNEX)

MBSE Track

- *MBSE in Practice* – Chris Huang (SSC-Pacific), George Teding (BAH)
- *An MBSE Approach for System Product Line Architecture Modeling and Economic Analysis* – Ray Madachy, PhD and John (Mike) Green (NPS, INCOSE SD)
- *Effectiveness-Based Capability Model (EBCM)* – John (Mike) Green (NPS)

Science of Laws Track

- *Laws and Regulations: How Much is Too Much? A More Scientific Approach to Evaluating Impacts* – Prakash Rao (Enterprise Sherpas), Ann Reedy, PhD (Consultant), and Beryl Bellman, PhD (Professor, Cal State Los Angeles)
- *Applying Machine Learning to Amass the Body of Scientific Knowledge on Laws and Lawmaking* – Gary Saner (Primero Systems)
- *Quality Standards for Law Engineering* – David Schrunk, MD (Science of Laws Institute)
- *Science of Laws for Humanity's Futures on Earth and in Space* – Bob Krone, PhD (Kepler Space Institute)
- *Can We Create a Sustainable Government Using the INCOSE SE Measurement Primer?* – John Wood, PhD
- *Working Session: Establishing an INCOSE Working Group Dedicated to the Science and Engineering of Governmental Laws* – John Wood, PhD and David Schrunk, MD (Science of Laws Institute)

Agile, Human Systems, AI and More

- *A Process Architecture Model for Cost Analysis of Agile Software Development Projects* – Robert Gallerani, Joseph Simonetti, Kristin Giammarco, PhD and Ray Madachy, PhD (SSC-Pacific, NPS)
- *Systems Engineering on Artificial Intelligence* – Andrew Raharjo Tsai
- *Human Systems Integration and DevOps* – Frank Lacson and Kevin Aeling (AUSGAR Technologies)
- *Integrating Systems Engineering and Project Management via the SPIF and SPIF-E* – John Wood, PhD and Yves Theriault, PhD (Science of Laws Institute , California Institute for Performance Management)
- *Elegant Engineering* – Howen Fernando (SSC-Pacific, INCOSE SD)
- *Panel & Closeout*

Please see our **registration page** at https://sdincose.org/rsvpmaker/incose-san-diego-2018-mini-conference-2018-12-01/ for the full schedule, including presentation descriptions and speaker bios.

Questions? Contact us at info@sdincose.org. Thank you.

www.sdincose.org