

# Special 2-Day INCOSE San Diego Tutorial

## Agile Systems Engineering

### *Problem Analysis and Solution Space Synthesis!*

Nov 29-30<sup>th</sup>, 2018 in San Diego, CA

Instructed by **Rick Dove**, Chair of both the INCOSE Agile Systems and Systems Engineering and the Systems Security Engineering groups.



**Date:** November 29-30<sup>th</sup>, 2018 (Thurs-Fri), 8am – 4:30pm

**Where:** California Miramar University, 3550 Camino Del Rio N #208, San Diego, CA 92108 ([Google Maps](#))

**Cost:** \$250 INCOSE members. \$280 Non-INCOSE members. \$200 Students. Includes lunch on both days. Also add a \$20 [discount](#) if attending the INCOSE San Diego Mini-Conference on Dec 1<sup>st</sup>.

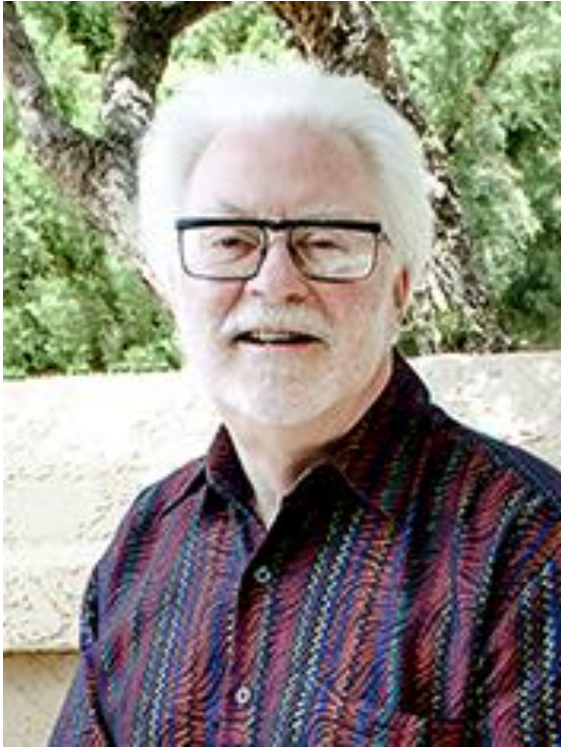
**Registration:** [www.sdincose.org](http://www.sdincose.org)

## Synopsis

**Almost every software development organization today** (and a few hardware companies to boot) **practice some form of Agile software development.** This highly-iterative approach requires a special type of systems engineering, one which differs significantly from the traditional V-model.

**Knowledge and training in Agile is therefore a must-have for today's systems engineering professionals!** Please join us for this special two-day systems engineering tutorial by Rick Dove, chair of the INCOSE Agile Systems and Systems Engineering working group (bio below).

## COURSE INSTRUCTOR



Rick Dove is a leading researcher, practitioner, and educator of fundamental principles for agile enterprise, agile systems and agile development processes. In 1991 he initiated the global interest in agility as co-PI on the seminal 21st Century Manufacturing Enterprise Strategy project at Lehigh University. He subsequently organized and led collaborative research at the DARPA-funded Agility Forum, involving 250 organizations and 1000 participants in workshop discovery of fundamental enabling principles for agile systems and processes.

Rick is CEO of Paradigm Shift International and an adjunct professor at Stevens Institute of Technology teaching graduate courses in agile and self-organizing systems. He chairs the INCOSE working groups for Agile Systems and Systems Engineering, and for Systems Security Engineering, and is the leader of the current INCOSE Agile Systems Engineering Life Cycle Model Discovery Project. He is an INCOSE Fellow, and the author of *Response Ability – the Language, Structure, and Culture of the Agile Enterprise*.

**This 2-day Agile Systems Engineering tutorial is designed for everyone**, from beginning to highly-experienced SE practitioners, engineers, program managers, and requirements developers. Participants will receive

- Introduction to analysis and design tools
- Examples and tool applications to real life case studies
- Engagement in application exercises
- Reference material / soft-copy course notes and case studies for the course examples

## Topics of the Course

- Goal development framework
- Environment characterization framework
- Reality factors framework
- Response-requirements framework
- Agile architecture pattern
- Design principles
- Operational models
- Operational behavior principles
- Strategy web
- Design closure

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Please see our **registration page** at <https://sdincose.org/rsvpmaker/tutorial-agile-systems-engineering-as-risk-management-2018-11-29/> for the full schedule and details.

**Questions?** Please contact us at [info@sdincose.org](mailto:info@sdincose.org), or contact the instructor Rick Dove directly at [dove@parshift.com](mailto:dove@parshift.com) / 575-586-1536.

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