

Four INCOSE Members Presented with Distinguished Fellows Award *Designation Bestowed for Contributions to the Art and Practice of Systems Engineering*

SAN DIEGO (July 17, 2015) – The International Council on Systems Engineering (INCOSE) has bestowed its distinguished Fellows Award to four of its members for their significant contributions to systems engineering in industry, government and academia.

Peter Brook, Ernst Fricke, Bohdan Oppenheim and Clifford Whitcomb were honored with the award that recognizes practitioners for designing and acquiring systems in government and industry; researchers for developing new knowledge and advancing theory; and teachers for growing the next generation of successful systems engineers.

“As the leading professional body for systems engineering, INCOSE is deeply committed to advancing the state of the art in this field so that we can improve the practice of systems engineering around the world,” said INCOSE President David Long. “All four new Fellows have played key roles to this end, and our profession has benefitted greatly from their intellectual contributions.”

Peter Brook

Brook – a consultant at his company Dashwood Consulting Ltd. and a founding member of the U.K. chapter of INCOSE – was honored for innovation in enterprise systems engineering and education on coping with complexity. Over the course of his career, he established and led the Ministry of Defence’s Integration Authority – responsible for integration across multiple programs – and established the Systems Engineering for Defence Master of Science programme at the Defence Academy, where he was a visiting professor. Additionally, he co-authored *Systems Engineering: Coping with Complexity*, and continues to make substantial contributions to systems engineering concepts through research.

Ernst Fricke

Fricke – general and vehicle project manager at BMW Group – was recognized for fundamental contributions to the theory of systems engineering, particularly in designing for changeability. A founding member of the German chapter of INCOSE, he’s received the “Outstanding Paper Award” from the Wiley *Systems Engineering Journal* multiple times, and implemented systems engineering processes essential in the development of key product architecture at BMW. Fricke also guest lectures at the Massachusetts Institute of Technology and Technische Universität München in Germany.

Bohdan Oppenheim

Oppenheim – honored for fundamental contributions to the field of lean systems engineering and lean management – is a professor at Loyola Marymount University, where he has taught systems and mechanical engineering since 1981, and created multiple courses, including an acclaimed graduate program. Founder and co-chair of INCOSE’s Lean Systems Engineering Working Group, Oppenheim has written multiple books – endorsed by MIT and Stanford officials – and provided keynote speeches at notable organizations, including The Aerospace Corporation, Booz Allen Hamilton and Stevens Institute of Technology.

Clifford Whitcomb

Whitcomb – professor and chairman of the systems engineering department at the Naval Postgraduate School – was recognized for his significant contributions in teaching, research and curriculum innovation, especially for defense systems. A retired lieutenant commander in the United States Navy and an experienced educator – who has taught at MIT and the University of New Orleans – Whitcomb’s graduate programs at NPS have been ranked in U.S. News and World Report’s top 25 systems engineering programs. He’s authored the book *Effective Interpersonal and Team Communication Skills for Engineers*, and a chapter in *Teamwork and Project Management in Engineering*. Whitcomb also previously sat on INCOSE’s board of directors.

The awards were presented on July 13 at INCOSE's International Symposium, the organization's annual flagship event for systems engineers worldwide. This year's event also marks INCOSE's 25th anniversary.

About the International Council on Systems Engineering (INCOSE)

The International Council on Systems Engineering (INCOSE) is a not-for-profit membership organization that promotes international collaboration in systems engineering practice, education and research.

INCOSE's mission is to "share, promote and advance the best of systems engineering from across the globe for the benefit of humanity and the planet." Founded in 1990, INCOSE marks its 25th anniversary with more than 70 chapters and over 10,000 members worldwide.

INCOSE acts as a source for systems engineering knowledge, helps establish professional standards, works to improve the professional status of systems engineers and offers a [certification](#) program to formally recognize the knowledge and experience of industry professionals. The organization also produces a range of products, publications and events, including the Systems Engineering Handbook and International Symposium.

For additional information on INCOSE or to contact one of its members, please call 1-858-541-1752 or visit <http://www.incose.org>. Become a [member](#) today.

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