

Profile

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Olivier de Weck

PROFESSOR OF AERONAUTICS AND ASTRONAUTICS AND
ENGINEERING SYSTEMS

EXECUTIVE DIRECTOR, PRODUCTION IN THE INNOVATION
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Contact

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Academic Degrees

Dipl. Ingenieur m.A., Industrial Engineering, 1993, ETH Zurich,
Switzerland S.M., 1999, Aeronautics & Astronautics, Massachusetts
Institute of Technology Ph.D., 2001, Aerospace Systems,
Massachusetts Institute of Technology

Honors and Awards

Auszeichnung/Honors ETH Zurich, 1993; Carroll L. Wilson Award MIT,
1998; INCOSE 2004 Systems Engineering Best Paper, 2004; NASA
Certificate of Appreciation for Exploration Systems Roadmapping,
2005; Frank E. Perkins Award for Excellence in Graduate Advising,
2006; AIAA MDO TC Outstanding Service Award, 2007; Systems
Engineering journal Outstanding Paper Award, Volume 10 (2007);
INCOSE Technical Working Group Collaboration Award (2009); Capers
and Marion McDonald Award for Excellence in Mentoring and Advising
(2010); Systems Engineering journal Best Paper of the Year Award,
2011; Reviewer's Favorite Choice Award, ICED' 11 Conference,
2011; Excellent Paper Award, ICTC 2012 Conference (IEEE), 2011;
Honorable Mention, 2011 American Publishers Award for Professional
and Scholarly Excellence (PROSE Award) in Engineering &
Technology, 2012; Election as Fellow (INCOSE), 2012; AIAA 2012
Teaching Award, 2012

Society Memberships

Fellow, INCOSE; Associate Fellow, AIAA; AIAA Space Logistics
Technical Committee (chair); Member ASEE, ASME, Sigma Xi

Positions Held outside MIT

Swiss Air Force Officer, 1987-2000; ETH Zurich, Research Assistant,
1987-1992; Swiss Aircraft & Systems Co., R&D Staff Engineer, 1992-
1997; McDonnell Douglas, Swiss F/A-18 Engineering Program

Manager, 1995-1997; NASA Goddard Space Flight Center, Visiting Scientist, 1998; Co-founder Intelligent Action Inc., 2007, Editor-in-Chief of the journal *Systems Engineering*

Specialization and Research Interests


Systems engineering, product design and manufacturing, space exploration and colonization, management of complex projects, strategy

Teaching Interests

Multidisciplinary System Design Optimization (16.888/ESD.77), System Project Management (ESD.36), Space Systems Engineering (16.89), Engineering Design and Rapid Prototyping (16.810), Product Platform and Product Family Design: From Strategy to Implementation (ESD.39s), Fundamentals of Systems Engineering (16.842), Unified Engineering (16.010-040)

Lab/Research Group Affiliation

Space Systems Laboratory
Strategic Engineering Research Group
System Architecture Lab

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