

Prof. Dr. Olivier de Weck

List of Publications

Status: September 25, 2001

de Weck O., Miller D., Crawley E., Feron E. van Schoor M., “*Multivariable Isoperformance Methodology for Precision Opto-Mechanical Systems*” Ph.D. Thesis, Space Systems Laboratory, Massachusetts Institute of Technology, Cambridge, MA, August 10, 2001

Miller, David W., de Weck, Olivier L., Uebelhart, Scott A., Grogan Robert, Basdogan, Ipek, “*Integrated Dynamics and Controls Modeling for the Space Interferometry Mission (SIM)*”, 2001 IEEE Aerospace Conference, Big Sky, Montana, U.S.A., March 10-17, 2001

de Weck O., “*Dynamics and Controls Modeling and Analysis Toolbox (DOCS) for Space-Based Observatories*”, ESO/NOVA International Interferometry Summer School, Leiden, The Netherlands, September 18-22, 2000

de Weck O., Miller D., Mosier G., “*Integrated Modeling and Dynamics Simulation for the Next Generation Space Telescope*”, SPIE-4013-105, SPIE International Symposium on Astronomical Telescopes and Instrumentation 2000, Munich, Germany, 27-31 March, 2000

Miller D., Curtis A., de Weck, O. e.a. , “*Architecting the search for terrestrial planets and related origins (ASTRO)*”, SPIE-4013-74, SPIE International Symposium on Astronomical Telescopes and Instrumentation 2000, Munich, Germany, 27-31 March, 2000

de Weck Olivier L. , “*Integrated Dynamics Modeling and Simulation for the Next Generation Space Telescope (NGST)*”, S.M. Thesis, SERC Report #5-1999, Space Systems Laboratory, Department of Aeronautics and Astronautics, Massachusetts Institute of Technology, June 1999

de Weck, O., Hollister W., “*Challenges and Solutions for Low-Area Density (LAD) Spacecraft Components*”, AIAA 98-5142, Defense & Civil Space Programs Conference and Exhibit, von Braun Center, Huntsville,AL, October 28-30, 1998

de Weck, O., Miller D., Hansman J., “*Multifunctionality in Parabolic RF Antenna Design Based on SMA actuated Radiation Pattern Shaping*”, AIAA-98-4813, 7th Symposium on Multidisciplinary Analysis and Optimization St. Louis, MO, Sept. 2-4, 1998

de Weck O., Miller D., Hansman J., “*Radiation Pattern Shaping of RF Antennae. A low cost application of SMA's in spacecraft*”, Actuator 98, Bremen, Germany, 1998

de Weck O., Miller D., Gutierrez H.; “*Structural Dynamics and Controls for NGST - A preliminary study*”, 34th Liège International Astrophysics Colloquium, NGST - Science Drivers and Technological Challenges , Liège Belgium, 15-18 June 1998

Nussbaumer D., de Weck O., “*Das Öl im Getriebe*” - Functions and responsibilities of the Swiss F/A-18 Liaison Office at McDonnell Douglas, *START*, F+W Werkszeitung, 1995

Nägeli, T., Lang P., de Weck O., Zingg A., “*USD für Transparenz in der Ablauforganisation*”, - business process analysis and representation for ISO-9001 published in *management io*, Zeitschrift, BWI Verlag Zurich, Nr. 5, 1993