ALAN ZEHNDER – COMPLETE PUBLICATIONS LIST
updated 11/15/2018

BOOKS:


BOOK CHAPTERS:


JOURNAL PUBLICATIONS:


25. Woo Yong Jeong; Christopher James Earls; William D Philpot; Alan T Zehnder, “Inverse thermographic characterization of optically unresolvable through cracks in thin metallic plates,” Mechanical Systems and Signal Processing, 27, 634-650 (2012).


REPORTS:


CONFERENCE PROCEEDINGS:


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(2002).

Temperature and Strain Fields in Metal Cutting," proceedings of Symposium on Fundamental Issues
in Machining, IMECE 2001/MED-23309, ASME Manufacturing Engineering Division, New York,

"Light-Induced Parametric Amplification in MEMS Oscillators," proceedings of DTIP 2001 (Design,
Test, Integration and Packaging of MEMS/ MOEMS), Cannes-Mandelieu, "Côte d'Azur", France,


40. Alan T. Zehnder, C.-Y. Hui, Yogesh Potdar, and Alberto Zucchini, “Fracture Mechanics of Thin,
Cracked Plates Under Tension, Bending and out-of-plane Shear Loading,” proceedings of the Second

41. Alan T. Zehnder, and A.C. Ramamurthy, “Simulation of Temperature Assisted Water Jet Erosion of
Painted TPO Systems,” proceedings of TPOs in Automotive, '95, Executive Conference

42. Steven A. Jones, James M. Burlitch, Ersan Ustundag, Jeannie Yoo, and Alan T. Zehnder, “Nickel-
Alumina Composites: In Situ Synthesis by a Displacement Reaction, and Mechanical Properties,” in

Spring Meeting of the Society for Experimental Mechanics.

44. Mark E. Thurston, and Alan T. Zehnder, “Characterization of Silica/Copper Interfacial Fracture
Behavior,” in Ultrasonic Characterization and Mechanics of Interfaces, ASME AMD-Vol. 177,

45. Alan T. Zehnder, Mark J. Viz, and Anthony R. Ingraffea, "Fatigue Fracture in Thin Plates Subjected to
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46. Mark E. Thurston, and Alan T. Zehnder, "Mixed Mode Fracture Toughness of Silica/Copper
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47. Saif, C.Y. Hui, and Alan T. Zehnder, "Film/Substrate Stresses due to Local Heating," Proceedings of

Coatings due to Stone Impact," Polymeric Materials Science and Engineering, Proceeding of the


PAPERS PRESENTED (without conference proceedings):


PATENT, APPLICATIONS AND INVENTION DISCLOSURES

