

PUBLICATIONS

A. Books

James M. Whitney, Isaac M. Daniel and R. Byron Pipes, *Experimental Mechanics of Fiber Reinforced Composite Materials*, Society for Experimental Mechanics, Monograph No. 4, SEM, Bethel, CT, 1982; Second Edition, 1985.

I. M. Daniel, ed., *Composite Materials: Testing and Design (Sixth Conference)*, ASTM STP 787, American Society for Testing and Materials, 1982.

Isaac M. Daniel and Ori Ishai, *Engineering Mechanics of Composite Materials*, Oxford University Press, New York, 1994.

Isaac M. Daniel and Ori Ishai, *Engineering Mechanics of Composite Materials*, Oxford University Press, New York, Second Edition, 2006.

I. M. Daniel, E. E. Gdoutos and Y. D. S. Rajapakse, eds., *Major Accomplishments in Composite Materials and Sandwich Structures—An Anthology of ONR Sponsored Research*, Springer, 2009.

B. Contributions to Books

1. Isaac M. Daniel, "Theoretical Stress Analysis," in *Testing of Polymers*, Vol. 4, ed. by W. E. Brown, Interscience Publishers, New York, 1969, pp. 297-378.
2. Isaac M. Daniel "Photoelastic Investigation of Composites," in *Composite Materials*, Vol. 2, "Mechanics of Composite Materials," (Vol. ed. G. P. Sendeckyj, Series Eds. L. J. Broutman and R. H. Krock), Academic Press, 1974.
3. Isaac M. Daniel, "Photoelastic Studies of Mechanics of Composites," in *Progress in Experimental Mechanics*, Durelli Anniversary Volume, Catholic University of America, 1975.
4. Isaac M. Daniel, "Methods of Testing Composite Materials," Chapter in *Fracture Mechanics and Methods of Testing*, Vol. ed. G. C. Sih and A. M. Skudra in Series *Handbook of Fibrous Composites*, ed. by A. Kelly and Y. N. Rabotnov, North Holland Publishing Co., Amsterdam, 1985.
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8. Isaac M. Daniel, "Nondestructive Evaluation of Composite Materials," *Flight-Vehicle Materials, Structures and Dynamics*, Vol. 4, pp. 313-342, *Tribological Materials and NDE*, ed. by R. L. Fusaro and J. D. Achenbach, Series eds., A. K. Noor and S. L. Venneri, The Amer. Soc. of Mech. Eng., New York, 1992.

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10. I. M. Daniel and E. E. Gdoutos, "Failure Modes in Composite Sandwich Beams," Chapter 9, in I. M. Daniel, E. E. Gdoutos and Y. D. S. Rajapakse (eds.), *Major Accomplishments in Composite Materials and Sandwich Structures—An Anthology of ONR Sponsored Research*, Springer, 2009, pp. 197-227.
11. I. M. Daniel, "Impact Response and Damage Tolerance of Composite Sandwich Structures," in A. Shukla, G. Ravichandran, and Y. D. S. Rajapakse (eds.), *Dynamic Failure of Materials and Structures*, Springer, 2010, pp. 191-233.
12. I. M. Daniel and J-M. Cho, "Multiscale Hybrid Nano/Microcomposites—Processing, Characterization, and Analysis," Chapter 12, in R. Gilat and L. Banks-Sills (eds.), *Advances in Mathematical Modeling and Experimental Methods for Materials and Structures*, in honor of Jacob Aboudi, Solid Mechanics and its Applications 168, Springer, 2010, pp. 161-172.

C. Articles in Journals and Proceedings

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3. I. M. Daniel and A. J. Durelli, "Photoelastic Investigation of Residual Stresses in Glass-Plastic Composites," *Proceedings of 16th Conference of Reinforced Plastics Division*, Society of Plastics Industry, Section 19-A, February 1961.
4. I. M. Daniel and A. J. Durelli, "Photothermoelastic Analysis of Bonded Propellant Grains," *Experimental Mechanics*, Vol. 1, No. 3, March 1961, pp. 97-104.
5. I. M. Daniel and A. J. Durelli, "A Non-Destructive Three-Dimensional Strain Analysis Method," *Journal of Applied Mechanics*, Vol. 28, Series E., No. 1, March 1961, pp. 83-86.
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