Publications List (continued, renumbered from #137)

137. Superposition of generalized plane strain on anti-plane shear deformations in isotropic incompressible hyperelastic materials (with G. Saccomandi), *Journal of Elasticity*, 73, 2003, 221-235.

138. Exponential decay of end effects in anti-plane shear for functionally graded piezoelectric materials (with A. Borrelli and M. C. Patria), *Proceedings of the Royal Society of London, Series A*, 460, 2004, 1193-1212.

139. A theory of stress softening of elastomers based on finite chain extensibility (with R. W. Ogden and G. Saccomandi), *Proceedings of the Royal Society of London, Series A*, 460, 2004, 1737-1770.

140. Invariance of the equilibrium equations of finite elasticity for compressible materials (with J. G. Murphy), *J. of Elasticity*, 77, 2004, 187-200.

141. Constitutive models for compressible nonlinearly elastic materials with limiting chain extensibility (with G. Saccomandi), *J. of Elasticity*, 77, 2004, 123-138.

142. Lie group analysis and plane strain bending of cylindrical sectors for compressible nonlinearly elastic materials (with J. G. Murphy), *IMA Journal on Applied Mathematics*, 70, 2005, 80-91.

143. A Lie group analysis of the axisymmetric equations of finite elastostatics for compressible materials (with J. G. Murphy), *Mathematics and Mechanics of Solids*, 10, 2005, 311-333.

144. Constitutive modeling and the trousers test for fracture of rubber-like materials (with J. G. Schwartz), *Journal of the Mechanics and Physics of Solids*, 53, 2005, 545-564.

145. Spatial decay of transient end effects for nonstandard linear diffusion problems (with R. Quintanilla), *IMA Journal on Applied Mathematics*, 70, 2005, 119-128.

146. Spatial behaviour of solutions of the dual-phase-lag heat equation (with R. Quintanilla), *Mathematical Methods in the Applied Sciences*, 28, 2005, 43-57.

147. A new constitutive theory for fiber-reinforced incompressible nonlinearly elastic solids (with G. Saccomandi), *Journal of the Mechanics and Physics of Solids*, 53, 2005, 1985-2015.

148. Plane strain bending of cylindrical sectors of admissible compressible hyperelastic materials (with J. G. Murphy), *J. of Elasticity* 81, 2005, 129-151.

149. Saint-Venant end effects for plane deformations of linear piezoelectric solids (with A. Borrelli and M. C. Patria), *International Journal of Solids and Structures*, 43, 2006, 943-956.

150. Phenomenological hyperelastic strain-stiffening constitutive models for rubber (with G. Saccomandi), *Rubber Chemistry and Technology* 79, 2006, 152-169.

151. Limiting chain extensibility constitutive models of Valanis-Landel type (with J. G. Murphy), *J. of Elasticity*, 86, 2007, 101-111.

152. Constitutive models for almost incompressible isotropic elastic rubber-like materials (with J. G. Murphy), *J. of Elasticity*, 87, 2007, 133-146.

153. Elastic instabilities for strain-stiffening rubber-like spherical and cylindrical thin shells under inflation (with L. M. Kanner), *International Journal of Nonlinear Mechanics* (R. S. Rivlin memorial issue) 42, 2007, 204-215.

154. The effects of compressibility on inhomogeneous deformations for a class of almost incompressible isotropic nonlinearly elastic materials (with J. G. Murphy), *J. of Elasticity*, 88, 2007, 207-221.

155. On the torsion of functionally graded anisotropic linearly elastic bars, *IMA Journal on Applied Mathematics* (R. J. Knops special issue), 72, 2007, 556-562.

156. Plane strain bending of strain-stiffening rubber-like rectangular beams (with L. M. Kanner), *International Journal of Solids and Structures* 45, 2008, 1713-1729.

157. On extension and torsion of strain-stiffening rubber-like elastic circular cylinders (with L. M. Kanner), *J. of Elasticity* 93, 2008, 39-61.

158. Inhomogeneous shearing of strain-stiffening rubber-like hollow circular cylinders (with L. M. Kanner), *International Journal of Solids and Structures* 45, 2008, 5464-5482.

159. Constitutive modeling for moderate deformations of slightly compressible rubber (with J. G. Murphy), *J. of Rheology* 53, 2009, 153-168.

160. On the volumetric part of strain-energy functions used on the constitutive modeling of slightly compressible rubbers (with J. G. Murphy), *International Journal of Solids and Structures* 46, 2009, 3078-3085.

161. A generalization of Hencky's strain-energy density to model the large deformations of slightly compressible solid rubbers (with J. G. Murphy), *Mechanics of Materials* 41, 2009, 943-950.

162. Compression tests and constitutive models for the slight compressibility of elastic rubber-like materials (with J. G. Murphy), *International Journal of Engineering Science* (A. J. M. Spencer Memorial issue), 47, 2009, 1232-1239.

163. Simple shearing of incompressible and slightly compressible isotropic nonlinearly elastic materials (with J. G. Murphy), *J. of Elasticity* 98, 2010, 205-221.

164. Extension and torsion of incompressible nonlinearly elastic solid circular cylinders (with J. G. Murphy) *Mathematics and Mechanics of Solids* (M. M. Carroll special issue) (in press).

165. Simple shearing of soft biological tissues (with J. G. Murphy), *Proceedings of the Royal Society of London, Series A* 467, 2011, 760-777.

166. Torsion of incompressible fiber-reinforced nonlinearly elastic circular cylinders (with J. G. Murphy), *J. of Elasticity* (in press)

167. On the normal stresses in simple shearing of fiber-reinforced nonlinearly elastic materials (with J. G. Murphy) *J. of Elasticity* (D. E. Carlson Memorial issue) (in press).

Publications (Conference Proceedings) (Abstracts not included)

On maximum principles and spatial decay estimates for heat conduction, (with L.T. Wheeler), *Proceedings of the 12th Annual Meeting of the Society of Engineering Science*, The University of Texas at Austin, October 1975, pp. 331-339.

Variational methods for eigenvalue problems in composites, (with S. Nemat-Nasser). Invited paper published in *Variational Methods in the Mechanics of Solids*, Proceedings of International Union of Theoretical and Applied Mechanics (IUTAM) Symposium, Northwestern University, Evanston, 1978 (edited by S. Nemat-Nasser). Pergamon Press, 1980, pp. 52-58.

Saint-Venant's principle in anisotropic elasticity theory. Invited paper in Proceedings of Euromech Colloquium 115, *Mechanical Behavior of Anisotropic Solids*, Grenoble, France, June 1979 (edited by J.P. Boehler). Editions Scientifiques du CNRS, Paris, France, 1982, pp. 853-868.

Computational methods for eigenvalue problems in composites. Invited paper in *Mechanics of Composite Materials: Recent Advances*, Proceedings of the International Union of Theoretical and Applied Mechanics (IUTAM) Symposium, Virginia Polytechnic Institute and State University, Blacksburg, 1982 (edited by Z. Hashin and C.T. Herakovich), Pergamon Press, 1983, pp. 217-225.

Some applications of maximum principles in linear and nonlinear elasticity. Invited paper in *Maximum Principles and Eigenvalue Problems in Partial Differential Equations*, Proceedings of Conference sponsored by Tennessee Science Alliance and A.F.O.S.R., University of Tennessee, Knoxville, June 1987 (edited by P.W. Schaefer), Pitman Research Notes in Mathematics Series, Vol. 175, Longman, Essex, 1988, pp. 49-67.

Void nucleation due to large deformations in nonlinearly elastic composites, (with T.J. Pence). *Proceedings of the 4th Japan - U.S. Conference on Composite Materials*, Washington, D.C., June 1988 (ed. by J.R. Vinson), Technomic Publishing Co., Lancaster, PA, 1989, pp. 232-241.

End effects in anisotropic and composite structures, (with J. G. Simmonds). *Proceedings of the 13th U. S. Army Symposium on Solid Mechanics*, (ed. by F. D. Bartlett, Jr., S. C. Chou, K. Iyer and T. W. Wright). Plymouth, Mass., August 1993 (1994), pp. 567-578.

Saint-Venant's principle for sandwich structures (with Sarah Baxter). In *Mechanics of Sandwich Structures* (ed. by A. Vautrin). Proceedings of EUROMECH 360, St.-Etienne, France, May 1997, Kluwer, Dordrecht, 1998, pp. 113-122.

Saint-Venant edge effects in sandwich structures (with Sarah Baxter). *Proceedings of the 14th U.S. Army Symposium on Solid Mechanics* (ed. by K. R. Iyer and S. C. Chou), Myrtle Beach, S.C., Oct. 1996. Battelle Press, Columbus, 1997, pp. 652-661.

Saint-Venant end effects for sandwich structures. In *Sandwich Construction 4* (ed. by K-A Olsson). Proceedings of the Fourth International Conference on Sandwich Construction, Stockholm, Sweden, June 1998. Engineering Materials Advisory Services Ltd. (EMAS), UK, 1998, pp. 191-200.

Structural integrity of sandwich panels: edge effects. *Proceedings of the 15th U.S. Army Symposium on Solid Mechanics*, Myrtle Beach, S.C., 1999 (ed. by K. Iyer and S.C. Chou), Battelle Press, Columbus, 2000, pp. 535-541.

Spherically symmetric deformations of compressible isotropic nonlinearly elastic solids. *Proceedings of the First Canadian Conference on Nonlinear Solid Mechanics*, Victoria, Canada, 1999 (ed.by E.M. Croitoro), Vol. 1, University of Victoria Press, 1999, pp. 175-185.

Extremal stresses in boundary-value problems for functionally graded linearly elastic materials. *Proceedings of the Symposium on Trends in the Application of Mathematics to Mechanics* (STAMM), (ed. by P. E. O'Donoghue and J. N. Flavin), International Society for the Interaction of Mechanics and Mathematics, Galway, Ireland, July 2000 . Elsevier, Paris, 2000, pp. 100-107.

Constitutive models for atactic elastomers (with G. Saccomandi). *Proceedings of the Symposium on Waves and Stability in Continuous Media* (WASCOM 2003), (ed. by R. Monaco, S. Pennisi, S. Rionero and T. Ruggeri), Sardinia, Italy, June 2003. World Scientific, Singapore, 2004, pp. 281-293.

The localization of shear bands via the maximum principle (with W. E. Olmstead). *Proceedings of the Symposium on Dynamic Systems and Applications*, vol. 4 (ed. by G. S. Ladde, N. G. Medhin and M. Sambandham), Lafayette, LA, 2004. Dynamic Publishers Inc, Atlanta, 2004, pp. 133-137.

Hyperelastic limiting chain extensibility constitutive models for rubber: a brief review (with G. Saccomandi). Constitutive Models for Rubber IV, *Proceedings of the 4th European Conference on Constitutive Models for Rubber*, (ECCMR 2005), Stockholm, Sweden (ed. by P.-E. Austrell and L. Kari). Taylor and Francis, London, 2005, pp. 381-385.

Mechanics of Strain-Stiffening Elastomers and Biomaterials. *Proceedings of the Third Canadian Conference on Nonlinear Solid Mechanics*, (CanCNSM 2008), Toronto, Canada, 2008 (ed.by E.M. Croitoro), University of Victoria Press, 2008, pp. 23-28.