Professor George Z. Voyiadjis

See:
http://www.rsip.lsu.edu/csmlab/voyiadjis/voyiadjis.htm
http://www.cee.lsu.edu/people/Bios/George_Voyiadjis.aspx
http://www.worldcat.org/identities/lccn-n85-266106
http://www.journalogy.net/Author/12994626/george-z-voyiadjis
http://www.elsevierdirect.com/author.jsp?authorcode=1017387
http://www.barnesandnoble.com/c/george-z.-voyiadjis
http://www.amazon.com/gp/aw/s?i=stripbooks&field-author=George%20Z.%20Voyiadjis
http://www.goodreads.com/author/list/565209.George_Z_Voyiadjis
http://www.aipuniphy.org/Profile.bme/133964/George_Z_Voyiadjis
http://www.lsusystem.edu/index.php/2012/04/24/international-symposium-held-in-honor-of-boyd-professor-george-z-voyiadjis/
http://www.cee.lsu.edu/Lists/news/DispForm.aspx?ID=90

Boyd Professor
Advanced Computational Solid Mechanics Laboratory
Department of Civil and Environmental Engineering
Louisiana State University

George Z. Voyiadjis is the Boyd Professor at the Louisiana State University, in the Department of Civil and Environmental Engineering. This is the highest professorial rank awarded by the Louisiana State University System. He joined the faculty of Louisiana State University in 1980. He is currently the Chair of the Department of Civil and Environmental Engineering. He holds this position since February of 2001 with the

first year as an Interim Chair. He also served from 1992 to 1994 as the Acting Associate Dean of the Graduate School.

He is the recipient of the 2008 Nathan M. Newmark Medal of the American Society of Civil Engineers and the Khan International Medal for outstanding life-long Contribution to the field of Plasticity. He is currently a Fellow of the American Society of Civil Engineers, the American Society of Mechanical Engineers, the American Academy of Mechanics, and Associate Fellow of the American Institute of Aeronautics and Astronautics. He is also on the Board of Governors of the Engineering Mechanics Institute of the American Society of Civil Engineers, and Past President of the Board of Directors of the Society of Engineering Science. Dr. Voyiadjis is the Chief Editor of the Journal of Nanomechanics and Micromechanics of the ASCE and is on the editorial board of numerous engineering journals. He was recently selected as one of only two individuals as Foreign Scholars to participate in the multimillion grant to Hanyang University in Seoul, Korea, for the World Class University.

Voyiadjis' primary research interest is in plasticity and damage mechanics of metals, metal matrix composites, polymers and ceramics with emphasis on the theoretical modeling, numerical simulation of material behavior, and experimental correlation. Research activities of particular interest encompass macro-mechanical and micro-mechanical constitutive modeling, experimental procedures for quantification of crack densities, inelastic behavior, thermal effects, interfaces, damage, failure, fracture, impact, and numerical modeling.

Dr. Voyiadjis' research has been performed on developing numerical models that aim at simulating the damage and dynamic failure response of advanced engineering materials and structures under high-speed impact loading conditions. This work will guide the development of design criteria and fabrication processes of high performance materials and structures under severe loading conditions. Emphasis is placed on survivability area that aims to develop and field a contingency armor that is thin and lightweight, but with a very high level of an overpressure protection system that provides low penetration depths. The formation of cracks and voids in the adiabatic shear bands, which are the precursors to fracture, are mainly investigated.

He has over 220 referred journal articles and 17 books (10 as editor) to his credit. Over fifty graduate students (27 Ph. D.) completed their degrees under his direction. He has also supervised numerous postdoctoral associates. Voyiadjis has been extremely successful in securing more than $15.0 million in research funds as a principal investigator from the National Science Foundation, the Department of Defense, the Air Force Office of Scientific Research, the Department of Transportation, and major companies such as IBM, and Martin Marietta.

He has been invited to give plenary presentations and keynote lectures in many countries around the world. He has also been invited as guest editor in numerous volumes of the Journal of Computer Methods in Applied Mechanics and Engineering, International Journal of Plasticity, Journal of Engineering Mechanics of the ASCE, and Journal of Mechanics of Materials. These special issues focus in the areas of damage mechanics, structures, fracture mechanics, localization, and bridging of length scales. Dr. Voyiadjis also worked two years in the industry as a senior engineer with Nuclear Power services, Inc., and Ebasco Services Inc. During that period of time he was engaged in the research and development of stress analysis of nuclear power plants. He was also involved in the development of finite element computer codes in conjunction with the piping analysis of power plants.

EDUCATION

D.Eng.Sc. (Engineering Mechanics), May 1973, Columbia University, New York, New York.
Major: Inelastic Behavior of Solids and Structures Minor: Numerical Analysis and Computational Methods
Dissertation: "Large Elasto-Plastic Deformations of Solids"
M.Sc. (Civil Engineering), 1970, California Institute of Technology, Pasadena, California
B.Sc. (Civil Engineering), 1969, Ain Shams University, Cairo, Egypt. Graduated with First Degree Honors

ACADEMIC EXPERIENCE

03/01 - Present Chair and Bingham C. Stewart Distinguished Professor (Interim 03/01-02/02) Department of Civil and Environmental Engineering, Louisiana State University (LSU) Baton Rouge, LA
08/92 - 07/94 Acting Associate Dean of Graduate School, LSU, Baton Rouge, LA
04/96 - Present Boyd Professor (Highest Professorial Rank at LSU)
08/90 - 04/96 Professor
08/85 - 08/90 Associate Professor (Tenured, 1985)
06/80 - 08/85 Assistant Professor, Department of Civil and Environmental Engineering, LSU, Baton Rouge, LA
01/87 - 08/87 Visiting Professor (on sabbatical leave from LSU) Department of Civil Engineering and Engineering Mechanics University of Arizona, Tucson, Arizona
05/86 - 08/86 Research Associate (ASEE Summer Fellow on leave from LSU) Material Science and Technology Division, Naval Research Laboratory, Washington, D.C.
01/80 - 06/80 Associate Professor
09/75 - 01/80 Assistant Professor, Department of Civil Engineering, University of Petroleum and Minerals (UPM), currently re-named to King Fahd, University of Petroleum and Minerals (KFUPM) Dhahran, Saudi Arabia.
03/75 - 08/75 Senior Stress Analyst, Ebasco Services Inc., New York, N.Y.
Engaged in research and development of stress analysis of nuclear power plants.
05/73 - 03/75 Senior Stress Analyst, Nuclear Power Services, Inc., New York, NY
Engaged in research and stress analysis of nuclear power plants. Also involved in development of original computer programs involving application of the Finite Element Method.
10/70 - 05/73 Research and Teaching Assistant Department of Civil Engineering and Engineering Mechanics, Columbia University, New York, N.Y.
Engaged in research in the area of finite-strain, elasto-plastic deformation of solids; experimental investigation of the elasto-plastic behavior of aluminum alloys; and mechanics of blood flow.
10/69 - 06/70 Research Assistant, Department of Civil Engineering, California Institute of Technology, Pasadena, CA Engaged in Analysis of earthquake records.

AWARDS AND DISTINCTIONS

Recipient of the 2012 Khan International Medal for outstanding life-long Contribution to the field of Plasticity.

Recipient of the 2010 Associate Editor Award for consistent and exemplary service to the Journal of Engineering Mechanics.

On the Scientific Committee of IUTAM Symposium GA 08-09 on Linking Scales in Computations: From Microstructure to Macro-scale Properties, Pensacola, Florida, May 2011.

Honorary Visiting Professor in Hanyang University, Seoul, Korea, 2009-2012. World Class University Scholar, National Research Foundation of Korea, 2009.

Most Cited Author 2005-2008, International Journal of Solids and Structures, Elsevier, for paper entitled "Gradient Plasticity Theory with a Variable Length Scale Parameter," Vol. 42, Issue 14 (2005), Pages 3998-4029.

Recipient of the Nathan M. Newmark Medal for 2008, of the American Society of Civil Engineers, for contributions to the fields of structural mechanics and geomechanics, fundamental research in constitutive modeling and characterization of damage mechanisms in metals, composites, and soils, and pioneering contributions in multi-scale modeling and localization problems.
Recipient of the Educator of the Year Award for 2008 of the Louisiana Section of the American Society of Civil Engineers (ASCE).

Recipient of the Educator of the Year Award for 2008 of the Baton Rouge, LA, Section of the American Society of Civil Engineers (ASCE).

Chair of the "FAAM2008 First American Academy of Mechanics Conference 2008," New Orleans, Louisiana, June 17 - 20, 2008.

Board of Governors, Engineering Mechanics Institute, American Society of Civil Engineers (ASCE), October 2007 – October 2010.

American Society of Civil Engineers (ASCE) Papers Awards Committee, October 2007 – October 2010.

Treasurer of the Engineering Mechanics Institute, American Society of Civil Engineers (ASCE), October 2007 – October 2010.

American Academy of Mechanics (AAM) Awards Committee, September 2007 - December 2008.

Co-chair of the Prenominated Session on Viscoelasticity and Creep at the International Congress of Theoretical and Applied Mechanics, ICTAM 2008 in Adelaide, Australia, 24-30 August 2008.

Associate Fellow in the American Institute of Aeronautics and Astronautics (AIAA), 2006.

Member of the Executive Committee of the American Society of Civil Engineers, Engineering Mechanics Division, October 2006 – October 2007.

Donald W. Clayton Mentor Award, Louisiana State University, College of Engineering, 2005.

Chair of the "McMat2005 Mechanics and Materials Conference", The 2005 Joint ASCE/ASME/SES Conference on Mechanics and Materials, Baton Rouge, Louisiana, June 1 - 3, 2005.

Board of Directors of the Society of Engineering Science, January 2004 - December 2008, Vice President 2005-2006, President 2006-2007.

On the Scientific Committee of IUTAM Symposium on Multiscale Modelling of Damage and Fracture Processes in Composite Materials, Lublin, Poland, 2005.

Recipient of "Bingham Cushman Stewart Distinguished Professor," March 2001-present. Fellow of the American Society of Mechanical Engineers, 1999.

On the International Advisory Committee of the International Conference on Constitutive Laws for Engineering Materials, 1998-present.

Fellow of the American Academy of Mechanics, 1998

One of eleven individuals from the USA that was Selected by the National Science Foundation to participate and present a paper in the "Biot Conference on Poromechanics," at the Universite Catholique de Louvain, Louvain- la-Neuve, Belgium, September 14-16, 1998.

Invited as guest editor in two volumes of the Journal of Computer Methods in Applied Mechanics and Engineering. These special issues will focus in the two areas of advances in computational methods for damage mechanics, and advances in computational methods for fracture mechanics and localization, 1997.

Recipient of "The Boyd Professorship," the highest professorial rank awarded by the Louisiana State University System, April 19, 1996.

Recipient of the University-wide Award "Distinguished Research Master," Louisiana State University and Agricultural and Mechanical College (University Medal and Certificate), Lecture Presentation and Award: April 28, 1994.

PROFESSIONAL AND HONORARY SOCIETY MEMBERSHIPS

American Academy of Mechanics (AAM) – Fellow
American Institute of Aeronautics and Astronautics (AIAA) – Associate Fellow
American Society of Civil Engineers (ASCE) - Fellow
American Society for Engineering Education (ASEE)
American Society of Mechanical Engineers (ASME) - Fellow
Chi Epsilon, LSU Chapter
Sigma Xi - The Scientific Research Society, Kappa Chapter Columbia University
Society of Engineering Science
American Academy of Mechanics (AAM) Awards Committee, September 2007 - December 2008.
On the Editorial Advisory Board of the International Journal of Damage Mechanics, 2007-present.
Board of Directors of the Society of Engineering Science, January 2004 - December 2008, Vice President 2005-2006, President 2006-2007.

Board of Governors, Engineering Mechanics Institute, American Society of Civil Engineers (ASCE), October 2007 – October 2010.
Member of the Executive Committee of the American Society of Civil Engineers, Engineering Mechanics Division, October 2006 – October 2007.
On the 2005 Scientific Advisory Board of Damage Mechanics of the 11th International Conference on Fracture, Turin, Italy, 2004-2005.
On the 2005 Scientific Committee of the International Union of Theoretical and Applied Mechanics (IUTAM) Symposium on "Multiscale Modeling of Damage and Fracture Process in Composite Materials," Lublin, Poland, 2004-2005.
Editorial Advisory Board of the Journal of Mechanical Behavior of Materials (2004 - present).
On the 2004 Scientific Committee of the International Conference on Numerical Methods in Industrial Forming Processes (NUMIFORM), The Ohio State University, Columbus, Ohio, Materials, 2003-2004.
On the 2002 Scientific Committee of the International Union of Theoretical and Applied Mechanics (IUTAM) Symposium on "Multiscale Modeling and Characterization of Elastic-Inelastic Behavior of Engineering Materials," Marrakesh, Morocco, 2001-2003
On the International Advisory Committee of the International Conference on Constitutive Laws for Engineering Materials, 1998-present.
Editorial Advisory Board of the International Journal of Plasticity (1995-present).
Editorial Advisory Board of the Journal of Engineering Mechanics, ASCE (1997 – 1999, 2005-2010).

COURSES TAUGHT
CE 2081, Statics and Strength (3.0 credits) CE 2450, Statics (3.0 credits)
CE 3400, Mechanics of Materials (3.0)
CE 3405, Mechanics of Materials (4.0)
CE 3410, Mechanics of Materials Laboratory (1.0) CE 4440, Advanced Mechanics of Materials (3.0)
CE 4460, Introduction to Continuum Mechanics (3.0)
CE 7435, Advanced Structural Mechanics (3.0)
CE 7440, Theory of Elasticity (3.0)
CE 7455, Finite Element Method in Engineering (3.0)
CE 7460, Theory of Plates (3.0)
CE 7470, Theory of Elastic and Plastic Stability (3.0)
CE 7475, Solid Mechanics (3.0)
CE 7480, Plasticity and Viscoelasticity (3.0)
CE 7485, Mechanics of Composite Materials (3.0)
CE 7490, Damage Mechanics in Metals and Metal Matrix Composites (3.0)
CE 7700, Bridging of Length Scales (3.0)
CE 7701, Non-Linear Finite Element Methods in Engineering (3.0)
CE 7720, Numerical and Matrix Methods in Civil Engineering (3.0)
CE 7750, Seminar in Structures/Mechanics (1.0)
N.B. CE 7000 level are graduate courses
CE 4000 level are senior courses (may be taken for credit by graduate students)

COMPRESSED VIDEO FOR DISTANCE EDUCATION PROGRAM

Multimedia notes were developed for CE 3400, Mechanics of Materials (3.0), in the Summer semester of 1998. This was the first multimedia course taught in the Fall semester of 1998-1999 at LSU to local LSU students

through the Distance Learning program. In the Spring Semester of 1998-1999 it was also taught to students from other institutions simultaneously with those from LSU through the Distance Learning program.

COORDINATOR OF THE FOLLOWING COURSES AT LOUISIANA STATE UNIVERSITY IN THE DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING
CE 2450, Statics (3.0)
CE 2460, Dynamics and Vibrations (3.0) CE 3400, Mechanics of Materials (3.0)
CE 3410, Mechanics of Materials Laboratory (1.0)

LIST OF SELECTED PUBLICATIONS

BOOKS (authored)

1. Voyiadjis, G. Z., and Abu Al-Rub, R. K., Nonlocal Continuum Damage and Plasticity: Theory and Computations, 600 p., World Scientific Publishing Co., Singapore, ISBN-10: 9812813977, 2011.

2. Voyiadjis, G. Z., and Woelke, P., Elasto-Plastic and Damage Analysis of Plates and Shells, 222 p., Springer-Verlag GmbH & Co.KG, Heidelberg, ISBN-10: 3642098223, 2008.

3. Voyiadjis, G. Z., and Woelke, P., Elasto-Plastic and Damage Analysis of Plates and Shells, 200 p., Springer-Verlag GmbH & Co.KG, Heidelberg, 201 p., Springer-Verlag GmbH & Co.KG, ISBN-10: 354079350X, 2008.

4. Voyiadjis, G. Z., and Kattan, P., Advances in Damage Mechanics: Metals and Metal Matrix Composites With an Introduction to Fabric Tensors (2nd edition), 742 p., Elsevier, Oxford, ISBN: 0-08-044688-4, 2006.

5. Voyiadjis, G. Z., and Song, C. R., The Coupled Theory of Mixtures in Geomechanics with Applications, 438 p., Springer-Verlag GmbH & Co.KG, Heidelberg, ISBN: 3-540-25130-8, 2006.

6. Voyiadjis, G. Z., and Kattan, P., Damage Mechanics, 257 p., CRC Press - A Taylor & Francis Company, Florida, USA, ISBN: 082472756, 2005.

7. Voyiadjis, G. Z., and Kattan, P., Mechanics of Composite Materials with MATLAB, 336 p., with CD-ROM, Springer-Verlag GmbH & Co.KG, Heidelberg, ISBN: 3540243534, 2005.

8. Kattan, P., and Voyiadjis, G. Z., Damage Mechanics with Finite Elements: Practical Applications with Computer Tools, 114p., with CD-ROM, Springer-Verlag GmbH & Co.KG, ISBN: 3-540-42279-X, 2001.

9. Voyiadjis, G. Z., and Kattan, P., Advances in Damage Mechanics: Metals and Metal Matrix Composites, 542 p., Elsevier, Oxford, ISBN 0-08-043601-3, 1999.

BOOKS (edited)

1. Voyiadjis, G. Z., editor, Damage Mechanics and Micromechanics of Localized Fracture Phenomena in Inelastic Solids, 463 p., Springer Wien, New York, 2010.

2. Buzaud, E., Ionescu, I. R., and Voyiadjis, G. Z., editors, Materials under Extreme Loadings: Application to Penetration and Impact, 441 p., ISTE Ltd and John Wiley & Sons, Inc., London, 2010.

3. Voyiadjis, G. Z., Ju, J-W. W., and Chaboche, J. L., editors, Studies in Applied Mechanics, Vol. 46, Damage Mechanics in Engineering Materials, 546 p., Elsevier, Amsterdam, 1998.

4. Voyiadjis, G. Z., and Allen, D. H., editors, Studies in Applied Mechanics, Vol. 44, Damage and Interfacial Debonding in Composites, 275 p., Elsevier, Amsterdam, 1996.

5. Voyiadjis, G. Z., and Ju, J. W., editors, Studies in Applied Mechanics, Vol. 41, Inelasticity and Micromechanics of Metal Matrix Composites, 351 p., Elsevier, Amsterdam, 1994.

6. Voyiadjis, G. Z., Bank, L. C., and Jacobs, L. J., editors, Studies in Applied Mechanics, Vol. 35, Mechanics of Materials and Structures, 436 p., Elsevier, Amsterdam, 1994.

7. Voyiadjis, G. Z., editor, Studies in Applied Mechanics, Vol. 34, Damage in Composite Materials, 286 p., Elsevier, Amsterdam, 1993.

8. Voyiadjis, G. Z., editor, Microstructural Characterization in Constitutive Modeling of Metals and Granular Media, 135 p., MD-Vol. 32, Material Division, ASME, New York, 1992.

9. Voyiadjis, G. Z., and Karamanlidis, D., editors, Studies in Applied Mechanics, Vol. 24, Advances in the Theory of Plates and Shells, 323 p., Elsevier, Amsterdam, 1990.

10. Selvadurai, A. P. S., and Voyiadjis, G. Z., editors, Studies in Applied Mechanics, Vol. 11, Mechanics of Material Interfaces, 245 p., Elsevier, Amsterdam, 1986.

BOOK CHAPTERS

1. Voyiadjis, G. Z., Deliktas, B., and Kattan, P. I., "Consistent Non Local Coupled Damage Model and Its Application in Impact Response of Composite Materials," Damage Mechanics and Micromechanics of Localized Fracture Phenomena in Inelastic Solids, Edited by George Z. Voyiadjis, Springer Wien, New York, ISBN XXXXXX, 2010, pp. 1-110.

2. Voyiadjis, G. Z., Deliktas, B., Abed, F. H., and Abu Al-Rub, R. K., "Coupled Viscoplastic Damage Model for Hypervelocity Impact Induced Damage in Metals and Composites," Materials under Extreme Loadings: Application to Penetration and Impact, Edited by Eric Buzaud, Ioan R. Ionescu and George Z. Voyiadjis, ISTE Wiley, ISBN 978-1-84821-184-1, 2010, pp. 209-246.

3. Voyiadjis, G. Z., and Almasri, A. H., "Shear Bands in Steel Plates under Impact Loading," Multiscale Modeling of Heterogeneous Materials: From microstructure to macro-scale properties, Edited by Oana Cazacu, ISTE Wiley, ISBN 9781848210479, 2008, pp. 340-356.

4. Voyiadjis, G. Z., "Continuum Damage Mechanics," Handbook of Materials Modeling, Vol. 1 Fundamental Models and Methods, Chapter 3: Mesoscale/Macroscale Computational Methods, Section 3.8, Editor Sidney Yip, Springer, The Netherlands, ISBN 1-4020-3287-0, 2005, pp. 1183-1192.

5. Voyiadjis, G. Z., and Abu Al-Rub, R. K., "Length Scales in Gradient Plasticity," Solid Mechanics and its Applications: IUTAM Symposium on Multiscale Modeling and Characterization of Elastic-Inelastic Behavior of Engineering Materials, Edited by S. Ahzi, M. Cherkaoui, M. A. Khaleel, H. M. Zbib, M. A. Zikry, and B. LaMatina, Kluwer Academic Publishers, 2004, pp. 167-174.

6. Voyiadjis, G. Z., and Dorgan, R. J., "Gradients of Hardening in Nonlocal Dislocation Based Plasticity," Solid Mechanics and its Applications: IUTAM Symposium on Multiscale Modeling and Characterization of Elastic-Inelastic Behavior of Engineering Materials, Edited by S. Ahzi, M. Cherkaoui, M. A. Khaleel, H. M. Zbib, M. A. Zikry, and B. LaMatina, Kluwer Academic Publishers, 2004, pp. 157-165.

7. Voyiadjis, G. Z., Aifantis, E. C., and Weber, G., "Constitutive Modeling of Plasticity in Nanostructured Materials," Trends in Nanoscale Mechanics Vol. 9: Analysis of Nanostructured Materials and Multi-Scale Modeling, Part II Multi-Scale Modeling of Materials, Chapter 5, Edited by V. M. Harik and M. D. Salas (ICASE, NASA Langley Research Center), Kluwer Academic Publishers, The Netherlands, 2003, pp. 123-146.

8. Meng, W. J., and Voyiadjis, G. Z., "Structure and Mechanical Properties of Ceramic Nanocomposite Coatings," Trends in Nanoscale Mechanics Vol. 9: Analysis of Nanostructured Materials and Multi-Scale Modeling, Part I Nanomechanics, Chapter 4, Edited by V. M. Harik and M. D. Salas (ICASE, NASA Langley Research Center), Kluwer Academic Publishers, The Netherlands, 2003, pp. 89-120.

9. Voyiadjis, G. Z., "Model of Inelastic Behavior Coupled to Damage," Handbook of Materials Behavior Models, Chapter 9, Section 9.4, Editor J. Lemaitre, Academic Press, New York, 2001, pp. 814-820.

CDs (authored and edited)

1. Voyiadjis, G. Z., and Dorgan, R. J, Electronic Proceedings of the 2005 Joint ASCE/ASME/SES Conference on Mechanics and Materials (McMat2005), Louisiana State University, Baton Rouge, Louisiana, June 2005, CDROM.

2. Voyiadjis, G. Z., and Kattan, P. I, Supplementary CDROM of Mechanics of Composite Materials with MATLAB Book, Springer-Verlag GmbH & Co.KG, Heidelberg, ISBN: 3540243534, June 2005.

3. Kattan, P. I., and Voyiadjis, G. Z., Supplementary CDROM of Damage Mechanics with Finite Elements Book, Springer-Verlag GmbH & Co.KG, ISBN: 3-540-42279-X, 2001.

SPECIAL ISSUES

1. Voyiadjis, G. Z., Editor of the special issue "Selected Papers from the First Conference of the American Academy of Mechanics, June 2008," in Acta Mechanica, Vol. 213, Nos. 1 and 2, 2010, pp. 1-251.

2. Voyiadjis, G. Z., Rinaldi, A., and J. Woody Ju, Co-Editors of the special issue "Professor Dusan Krajcinovic Memorial Issue," in the International Journal of Damage Mechanics, Vol. 18, Nos. 2 and 3, 2009, pp. 101-309.

3. Regueiro, R., and Voyiadjis, G. Z., Co-Editors of the special issue "Nonlocal and Generalized Continuum Materials Modeling for Simulating Multiscale Behavior," in the Journal of Engineering Mechanics, ASCE, Vol. 135, No. 3, 2009, pp. 115-229.

4. Voyiadjis, G. Z., and Antonio Rinaldi, Co-Editors of the special issue "In Honor of Professor Dusan Krajcinovic," in the International Journal of Plasticity, Vol. 23, Nos. 10 and 11, 2007, pp. 1826-1937.

5. Voyiadjis, G. Z., Editor of the special issue "Dedicated to Dr. Kirk Valanis," in the International Journal of Plasticity, Vol. 22, No. 8, 2006, pp. 1393-1568.

6. Voyiadjis, G. Z., Editor of the special issue "Multi-Scale Modeling of Materials," in the Mechanics of Materials "MOM" Journal, Vol. 35, No. 8, 2003, pp. 719-844.

7. Voyiadjis, G. Z., Editor of the special issue "Dedicated to Dr. Zenon Mroz," in the International Journal of Plasticity, Vol. 19, No. 12, 2003, pp. 2055-2081.

8. Voyiadjis, G. Z., Pijaudier-Cabot, G., and Haj-Ali, R., Co-Editors of the special issue "Multi-Scale Modeling of Damage, and Material Characterization with Microstructure" in the Journal of Engineering Mechanics, ASCE, Vol. 127, No. 7, 2001, pp. 635-746.

9. Voyiadjis, G. Z., and Ju, J. W., Co-Editors of the special issue "Advances in Computational Methods for Damage Mechanics," in the Journal of Computer Methods in Applied Mechanics and Engineering, Vol. 183, No. 3-4, 2000, pp. 157-362.

10. Voyiadjis, G. Z., and Ju, J. W., Co-Editors of the special issue "Advances in Computational Methods for Fracture Mechanics and Localization," in the Journal of Computer Methods in Applied Mechanics and Engineering, Vol. 183, No. 1-2, 2000, pp. 1-156.

REFEREED JOURNAL ARTICLES
(230 articles listed: www.cee.lsu.edu/people/Bios/George_Voyiadjis.aspx)