

## CURRICULUM VITAE

### GEORGIA A. FOUTSITZI

Associate Professor,  
Department of Finance and Auditing,  
Dean of the School of Economics and Business,  
Technological Educational Institution of Epirus, Greece

## CONTACT INFORMATION

Department of Finance and Auditing,  
School of Economics and Business  
Technological Educational Institution (T.E.I.) of Epirus,  
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48100 Preveza, Greece.  
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*Fax:* +302682050631  
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## PERSONAL DATA

*Date and Place of Birth:* May 9, 1966, Piraeus, Greece.

*Nationality:* Greek

*Family Status:* Married, one child.

## ACADEMIC DEGREES

- 1989            Diploma Degree. Department of Mathematics, University of Ioannina, Ioannina, Greece
- 1996            PhD Degree in Applied Mathematics and Mechanics. Supervisor: Prof. C. V. Massalas. Division of Applied Mathematics and Mechanics, Department of Mathematics, University of Ioannina, Greece.
- Supported by the G.Stavros Institution (1991-93) and by the University of Ioannina (1994-95)

## **ACADEMIC APPOINTMENTS**

Sept. 2005 – today	Associate Professor in Applied Mathematics. Dept. of Finance and Auditing, TEI of Epirus, Greece
Sept. 2002 – Aug. 2005	Assistant Professor (on an annual contract basis). Dept. of Finance and Auditing, TEI of Epirus, Greece.
Sept 2001 – Aug. 2004	Assistant Professor (on an annual contract basis). Dept. of Material Science and Technology, University of Ioannina.
Oct. 1999 – Aug. 2001	Lecturer (on an annual contract basis). Dept. of Material Science and Technology, University of Ioannina.
Nov. 1998-Aug. 1999:	Lecturer (on an annual contract basis). Dept. of Mathematics, University of Ioannina.
Sept. 1997- 2001:	Teaching Fellow, TEI of Epirus, Greece
1996-Aug. 1999	Postdoctoral Research Fellow. Division of Applied Mathematics and Mechanics, Dept. of Mathematics, University of Ioannina.
Sept. 1991-March 1996	Tutor (Teaching Assistant), Dept. of Mathematics, University of Ioannina

## **ADMINISTRATIVE POSITIONS**

2010 – today	Dean of School of Economics and Business, Technological Educational Institution of Epirus, Greece
2009-2010	Dean of School of Technological Applications, Technological Educational Institution of Epirus, Greece
2005-2006	Dept. Chair, Dept. of Finance and Auditing, TEI of Epirus, Greece

## **RESEARCH INTERESTS**

- Mathematical Modeling and Simulation
  - Mechanics of Coupled Fields (Thermoelasticity, Electroelasticity)
  - Smart Materials and Structures
  - Time-Series Models
- Mathematical Methods
  - Variational Methods (Variational Inequalities)
  - Finite Element Method
  - Quantitative Methods
- Biomechanics

## PROJECTS

01/1996 -05/1997: “*New instruments for early diagnosis of medical and biotechnological applications (EPET II)*” supported by General Secretary for Research and Technology (G.S.R.T.). University of Ioannina, Greece

07/1996 - 06/1998: “*The magnetohydrodynamic flow and heat production as an energy source (PENED)*” supported by General Secretary for Research and Technology (G.S.R.T.) University of Ioannina, Greece

10/1996-09/1997: “*A dynamic theory of thermoelastic dielectrics with quadruple polarization and polarization inertia*” supported by the Research Board of University of Ioannina. University of Ioannina, Greece

06/1997-03/1998: “*Automatic electromechanical system for production and diagnosis of osteogenesis*” supported by General Secretary for Research and Technology (G.S.R.T.) University of Ioannina, Greece

04/1998-06/1999: “*Rise Regional information society strategy for Epirus*” supported by European Union. University of Ioannina, Greece

07/1999-10/1999: “*TEMETEN. Towards a European medical and teleworking network*” supported by European Union. University of Ioannina, Greece

01/2000-07/2001: “*Telematics of West Greece, Epirus and Ionian Island. INTEREG II*” supported by European Union. University of Ioannina, Ioannina, Greece

01/04/2004 - 28/02/2007: “*Applications of automatic control theory in structures*” Archimedes EPEAEK, supported by European Union. TEI of Crete, Crete, Greece

2001-2003: Network project Greek-German Scientific Partnership IKYDA 2001 *Inverse and Crack Identification Problems* (Coordinators: Prof. G. Stavroulakis TU Crete and Prof H. Antes TU Braunschweig).

2001 – May 2004: Participation in the International European Programme COST-C14: *Impact of wind and Storm on City Life and Built Environment*. (Coordinators for the Greek team Prof. CK Baniotopoulos and Prof. GE Stavroulakis)

2002-2006: Participation in the European Network for Research and Teaching SMART SYSTEMS. *New Materials, Adaptive Systems and Their Nonlinearities. Modeling, Control and Numerical Simulation* supported by European Union (code HPRN-CT-2002-00284)

2006-2007: Scientific Partnership with the Technical University of Sofia, Bulgaria. ERASMUS project

## PUBLICATIONS

### Theses

1. G. Foutsitzi, “*Field Interaction in Materials with Memory*” Ph.D. Dissertation, Department of Mathematics, University of Ioannina (1996).

### Research Papers (Refereed)

2. C.V. Massalas, G. Foutsitzi and V. Kalpakidis “*Thermodynamic Theory of Materials with Memory*”, Proceedings of 3rd National Conference of Mathematical Analysis, p. 125-127 (1993).

3. C. V. Massalas, V. K. Kalpakidis, G. Foutsitzi, “*Some comments on the extended Tiersten’s theory of Thermoelasto-elasticity*” Mech. Res. Comm., 21(4), 343-351 (1994).
4. C. V. Massalas, G. Foutsitzi, V. K. Kalpakidis, “*Thermoelastoelasticity theory for materials with memory*” Int. J. Engng Sci., 32(7), 1075-1084 (1994).
5. G. Foutsitzi, V. K. Kalpakidis, C. V. Massalas, “*On the Existence and Uniqueness in Linear Thermoviscoelasticity*” ZAMM, 77, 33-44 (1996).
6. Foutsitzi, G.; Fotiadis, D.; Massalas, “*Wave propagation in Human Long Bones*” C. in proc. of 15th IMACS, World Congress on Scientific Computation, Modelling and Applied Mathematics, Vol. 3, p.785-790, (1997).
7. D.I. Fotiadis, G. Foutsitzi, C.V. Massalas, “*On the Dynamic Characteristics of the Human Long Bones*” in proc. of 5th National Congress on Mechanics, Vol. I, p.18-25, (1998).
8. L.P. Lebedev, V.K. Kalpakides, G. Foutsitzi “*On Existence in non-Linear Theory of Shells*” in proc. of 5th National Congress on Mechanics, Vol. II, p.1101-1111, (1998).
9. D.I. Fotiadis, G. Foutsitzi, C.V. Massalas “*Wave Propagation in Human Long Bones*” in Mathematical methods in scattering theory and biomedical technology (Metsovo, 1997), 91-109, Pitman Res. Notes Math. Ser., 390, Longman, Harlow, 1998
10. D.I. Fotiadis, G. Foutsitzi, C.V. Massalas, “*Wave Propagation Modeling in Human Long Bones*” Acta Mechanica 137, 65-82 (1999).
11. L.P. Lebedev, V.K. Kalpakides, G. Foutsitzi, “*Solvability of Boundary Value Problems of the Dynamics of Nonlinear Viscoelastic Shells*” Math. & Mech of Solids 6(1), 65-86 (2000).
12. D.I. Fotiadis, G. Foutsitzi, C.V. Massalas, “*Wave propagation in a piezoelectric bone of arbitrary cross section*” Int. J. Engng Sci. 38, 1553-1591 (2000).
13. D.I. Fotiadis, G. Foutsitzi, C.V. Massalas “*Wave Propagation in Human Long Bones of Arbitrary Cross Section with a Cavity Filled with an Incompressible Fluid*” in proc. of 16th IMACS World Congress on Scientific Computation, Modelling and Applied Mathematics, 2000.
14. G. Foutsitzi, A. Charalambopoulos, D. I. Fotiadis, C. V. Massalas “*Study of the Dynamic Characteristics During Callus Formation*”, in proc. of 6th National Congress on Mechanics, Vol. II, p.216-221, (2001).
15. V. A. Papathanasopoulou, D.I. Fotiadis, G. Foutsitzi, C. V. Massalas. “*A Poroelastic Bone Model for Internal Remodeling*” Int. J. Engng. Sci. 40(5), 511-530 (2002).
16. D. Foutsitzi, G.E. Stavroulakis: *Variational inequalities in thermoelasticity*. International Conference on Nonsmooth/Nonconvex Mechanics With Applications In Engineering, Ed. C.C. Baniotopoulos, Ziti Publ., Aristotle University of Thessaloniki (A.U.Th.), 5 & 6 July 2002, Thessaloniki, Greece.
17. G. Foutsitzi, V. K. Kalpakides, C. V. Massalas. “*Existence and Uniqueness in a Theory of Thermoviscoelastic Dielectrics*” Applicable Analysis Vol. 82, No. 6, pp. 517–533, June 2003.
18. .E. Stavroulakis, G. Foutsitzi, V. Hadjigeorgiou, D. Marinova and C.C. Baniotopoulos, *Design of Smart Beams for Suppression of Wind-Induced Vibrations*, in Proceedings of the Ninth International Conference on Civil and Structural Engineering Computing, B.H.V. Topping, (Editor), Civil-Comp Press, Stirling, United Kingdom, paper 114, 2003.

19. E. Hadjigeorgiou, G. Foutsitzi, G.E. Stavroulakis: *Shape control of beams with piezoelectric actuators*. Hellenic European Research on Computer Mathematics and its Applications, Proceedings of the HERCMA 2003 Conference, Athens, September 25-27, 2003, Minisymposium 'Smart Materials and Structures'
20. G. Foutsitzi, D. Marinova, H. Hadjigeorgiou, G.E. Stavroulakis: *Robust H-2 vibration control of beams with piezoelectric sensors and actuators*. International Conference "Physics and Control" (PhysCon 2003) Proceedings, (Saint Petersburg, Russia, 20–22 August 2003), Vol. 1, pp. 157-162, 2003, IEEE Conference Proceedings
21. G. Foutsitzi, D. Marinova, E. Hadjigeorgiou, G. Stavroulakis: *Finite element modelling of optimally controlled smart beams*. In: Eds. G. Venkov and M. Marinov, Proc. of the 28<sup>th</sup> Intern. Summer School "Applications of Mathematics in Engineering and Economics", 8-11 June 2002, Sozopol, Bulgaria, Bulvest 2000 Press and Faculty of Applied Mathematics and Informatics, Tech. Univ. of Sofia, pp. 199—207, Sofia 2003.
22. G.E. Stavroulakis, D. Marinova, G. Foutsitzi, E. Hadjigeorgiou, C.C. Baniotopoulos: *Robust control design of smart beams*. ECCOMAS Conference, Finland, 24-28 July 2004. Invited Presentation in MS: Smart Systems 1. Modeling, Control and Identification (Organizers: R. Stenberg, C.C. Baniotopoulos, published in CD proceedings)
23. G.E. Stavroulakis, D. Marinova, V. Hadjigeorgiou, G. Foutsitzi, C.C. Baniotopoulos: *Active control against wind-induced vibration in structural dynamics* COST C14 Conference "Urban Wind Engineering & Building Aerodynamics", 5-7 May 2004 at the von Karman Institute, Rhode-Saint-Genèse, Belgium.
24. D. Marinova, G. Stavroulakis E. Hadjigeorgiou, G. Foutsitzi and E. Zacharenakis *Robust Design of Smart Structures taking into account Structural Defects* XXXII International Conference "Advanced Problems in Mechanics" (St. Petersburg, Russia, June 24-July 1 2004)
25. E. Hadjigeorgiou, G. Foutsitzi and G. Stavroulakis *Shape Control of Smart Beams by Genetic Optimization* HERMIS International Journal Vol. 5, pp. 65-78, (2004)
26. D. Marinova, G. Stavroulakis, G. Foutsitzi, E. Hadjigeorgiou *Design and Active Vibration Control of Composite Beams with Bonded Piezoelectric Sensors and Actuators* EUROMECH 452 "Colloquium on Advances in Simulation Techniques for Applied Dynamics" (Halle-Wittenberg, Germany, 1-4 March 2004)
27. E. Hadjigeorgiou, G. Foutsitzi, G. Stavroulakis, D. Marinova: *Control of beams with smart piezoelectric sensors and actuators*. 1<sup>st</sup> IC-SCCE (First Intern. Conf. From Scientific Computing to Computational Engineering), Invited Paper for Session: Numerical Methods for Applied Physical Problems, Coordinated by Prof. Athanassios Bratsos, September 8-10, 2004, Athens, Greece (published in CD proceedings).
28. G. Foutsitzi, G.E. Stavroulakis: *A variational inequality approach to thermoviscoelasticity with monotone unilateral boundaries of kinematical and thermal type*. Nonlinear Analysis. Theory, Methods and Applications 57(5-6), 743-771, 2004.
29. G. Foutsitzi, *A Core Inflation Measure for Greece*, Review of Economic Sciences 8, 79-90, (2005)
30. G. Foutsitzi, E. Hadjigeorgiou, D. Marinova, E. Zacharenakis and G. Stavroulakis *Layerwise Modeling for Smart Piezoelectric Beams and Applications* 7<sup>th</sup> Hellenic-European Conference on Computer Mathematics and its Applications (Athens, Hellas, 22-24 September 2005) HERCMA 2005 Conference Proceedings, LEA Publishers

31. G. Foutsitzi, E. Hadjigeorgiou, D. Marinova and G. Stavroulakis *Analysis and Control of Smart Viscoelastic Beams* Proceedings of the 5<sup>th</sup> GRACM International Congress on Computational Mechanics Vol.1, pp.167-174 (Limassol, Cyprus, 29 June - 1 July 2005)
32. G.E. Stavroulakis, G. Foutsitzi, V. Hadjigeorgiou, D. Marinova and C.C. Baniotopoulos, *Design and Robust Optimal Control of Smart Beams with Application on Vibrations Suppression*, Advances in Engineering Software 36, 806-813 (2005).
33. G.E. Stavroulakis, D.G. Marinova, E. Hadjigeorgiou, G. Foutsitzi, C.C. Baniotopoulos: *Robust active control against wind-induced structural vibrations*. Journal of Wind Engineering and Industrial Aerodynamics 94(11), 895-907, 2006.
34. G. Foutsitzi, G. Stavroulakis and E. Hadjigeorgiou, *Modelling and Simulation of Controlled Smart Structures* Proceedings of the 9<sup>th</sup> HSTAM International Congress on Mechanics pp. 511-518 (Limassol, Cyprus, 12-14 July 2010)

### **PARTICIPATION IN CONFERENCES - SYMPOSIA (with Contributed Papers/Talk)**

1. 3rd National Conference Mathimatikis Analysis, May 28-29, 1993 Ioannina Greece. Presented the paper #2
2. Mini Symposium on "Applications of Analysis in Mechanical Mathimatikis" (March 2, 1994, Thessaloniki, Greece). Paper presented "A *Thermodynamic Theory for elastic dielectric materials with memory*."
3. Workshop on Scattering Theory of Acoustic Electromagnetic and Elastic fields. Athens, 16-17 September 1994. Presented the paper #5.
4. 15<sup>th</sup> IMACS World Congress on Scientific Computation, Modelling and Applied Mathematics, August 24-29, 1997, Berlin, Germany. Presented the paper #6.
5. Summer Program "Theoretical and Numerical Aspects of Hyperbolic Systems" 15 June-18 July 1998, Heraklion, Crete, Greece. Paper presented: "*Solvability of boundary value problems for the dynamics of nonlinear viscoelastic shells*"
6. 5<sup>th</sup> National Congress on Mechanics, August 27-30, 1998, University of Ioannina, Ioannina, Hellas. Presented the paper #7.
7. 4<sup>th</sup> Hellenic-European Conference on Computer Mathematics and its Applications, September 24-26, 1998, Athens University of Economics and Business, Athens, Hellas. Paper presented: "*The Dynamic Behavior of Human Long Bones*".
7. 4<sup>th</sup> International Workshop on Mathematical Methods in Scattering Theory and Biomedical Technology, October 8-10, 1999, Perdika, Thesprotia, Hellas. Paper presented: "*Wave Propagation in Human Long Bones*"
8. 6<sup>th</sup> National Congress on Mechanics, July 19-21, 2001, Aristotle University of Thessaloniki, Thessaloniki, Hellas. Presented the paper #14.
9. International Conference on Nonsmooth/Nonconvex Mechanics, July 5-6, 2002, Aristotle University of Thessaloniki, Thessaloniki, Hellas. Presented the paper #16.
10. The 9<sup>th</sup> International Conference on Civil and Structural Engineering Computing (Egmond aan Zee, The Netherlands, 2-4 September 2003) Presented the paper #18.
11. 6<sup>th</sup> Hellenic-European Conference on Computer Mathematics and its Applications (Athens, Hellas, 25-27 September 2003) Presented the paper #19.

12. International Conference “*PHYSICS and CONTROL*” (PhysCon 2003), (Saint Petersburg, Russia, 20–22 August 2003) Presented the paper #20.
13. 28<sup>th</sup> International Summer School: “Applications of Mathematics in Engineering and Economics” (Technical University Sofia, Sozopol, Bulgaria, 8-11 June 2002) Presented the paper #21.
14. European Congress on Computational Methods in Applied Science and Engineering ECCOMAS 2004 (Jyväskylä, Finland, 24-28 July 2004) Presented the paper #22
15. COST C14 International Conference on Urban Wind Engineering and Buildings Aerodynamics (Von Karman Institute, Rhode-Saint-Genèse, Belgium, 5-7 May 2004) Presented the paper #23.
16. XXXII International Conference "Advanced Problems in Mechanics" (St. Petersburg, Russia, June 24-July 1 2004) Presented the paper #24.
17. EUROMECH 452 "Colloquium on Advances in Simulation Techniques for Applied Dynamics" (Halle-Wittenberg, Germany, 1-4 March 2004 Presented the paper #26.
18. 1<sup>st</sup> International Conference "From Scientific Computing to Computational Engineering" (Athens, Hellas, 8-10 September 2004) Presented the paper #27.
19. 7<sup>th</sup> Hellenic-European Conference on Computer Mathematics and its Applications (Athens, Hellas, 22-24 September 2005) Presented the paper #30.
20. 5<sup>th</sup> GRACM International Congress on Computational Mechanics (Limassol, Cyprus, 29 June - 1 July 2005). Presented the paper #31.
21. 6<sup>th</sup> European Solid Mechanics Conference (Budapest, Hungary, 28 August-1 September 2006) Paper presented: “*Modeling and Control of Smart Composite Structures*”
22. 9<sup>th</sup> GRACM International Congress on Computational Mechanics (Limassol, Cyprus, 12-14 July 2010). Presented the paper #34.

## **TEACHING EXPERIENCE**

### **University of Ioannina, Department of Mathematics**

Spring 1993, Spring 1994: Topics in Mechanics (in cooperation with Prof. Massalas)

### **University of Ioannina, Department of Physics**

Spring 1994: Calculus II (lab section)

### **Technological Educational Institution of Epirus, Department of Animal Production**

1997-1998, 1998-1999: Applied Mathematics

### **University of Ioannina, Department of Mathematics**

Fall 1998: Probabilities

Spring 1999: Topics in Statistics

### **University of Ioannina, Department of Material Science and Technology**

Fall 1999: Mathematics I

Spring 2000, Spring 2001, Spring 2002, Spring 2003, Spring 2004: Mathematics II

Fall 2001, Fall 2002, Fall 2003, Fall 2004: Differential Equations

### **Technological Educational Institution of Epirus, Department of Accounting**

1998-1999, 1999-2000, 2000-2001: Mathematics

1998-1999, 1999-2000, 2000-2001: Financial Mathematics

### **Technological Educational Institution of Epirus, Department of Finance and Auditing**

2002-2003, 2003-2004, 2004-2005: Mathematics

2002-2003, 2003-2004, 2004-2005: Financial Mathematics

1999-2000, 2000-2001: Mathematical Modelling and Applications in Economics

2002-2008, 2009-today: Statistics

2005-2008, 2009-today: Operational Research

2006-2007, 2007-2008: Research Methodology

### **ACADEMIC LECTURE NOTES (in Greek)**

- Introduction to Applied Functional Analysis (with Prof. C.V.Massalas, University of Ioannina),
- Mathematical Modelling and Applications in Economics (TEI Epirus)
- Mathematics (TEI Epirus)
- Statistics (TEI Epirus)
- Research Methodology (TEI Epirus)

### **JOURNALS' REVIEWER**

- Advances in Engineering Software
- Review of Economic Sciences

### **PARTICIPATION IN SEMINARS-**

Seminar on "*Finite Element Methods*". Presentation of two lectures. Dept. of Mathematics and Dept. of Computer Science, Univ. Ioannina (1995-1996)

Seminar on "*Applied Functional Analysis- Sobolev Space Theory*" Presentation of one lecture. Dept. of Mathematics and Dept. of Computer Science, Univ. Ioannina (Spring 1997)

Advanced School on "*Contact Problems: theory, methods and applications*". CISM Udine, Italy, July 14-18, 1997

Invited Visit at Institute of Applied Mechanics, Technical University Braunschweig, Germany. Project IKYDA, 2001. Greek-German Bilateral Scientific Partnership. (December 2002)

### **OTHER ACADEMIC ACTIVITIES**

1. Supervisor of various BSc theses of students in the Dept. of Finance and Auditing of TEI of Epirus from 2005 until now.
2. Member of the organizing committee of the 3rd International Conference "*Education and Economic Development*" 26-27 May 2006, Preveza



## CITATIONS

C. V. Massalas, V. K. Kalpakidis, G. Foutsitzi, “*Some comments on the extended Tiersten’s theory of Thermo-electro- elasticity*” Mech. Res. Comm., 21(4), 343-351 (1994)D. S. Chandrasekharaiah “*Hyperbolic Thermoelasticity: a Review of Recent Literature*”, ASME Mech Rev, **51**(12), Part 1, pp. 705 (1998)

cited by

1. D. S. Chandrasekharaiah “*Hyperbolic Thermoelasticity: a Review of Recent Literature*”, ASME Mech Rev, **51**(12), Part 1, pp. 705 (1998)
2. Abd- Alla AN. “*Non Linear Constitutive Equations for Thermo-Electroelastic Materials*”, Mech. Res. Com., **26**, pp. 335-346 (1999).
3. L. Z. Jiang “*Integral Representation and Green’s Functions for 3D Time-dependent Thermo-Piezoelectricity*”, Int. J. Solids & Structures, **37**, pp. 6155-6171 (2000).

C. V. Massalas, G. Foutsitzi, V. K. Kalpakidis, “*Thermoelasticity theory for materials with memory*” Int. J. Engng Sci., 32(7), 1075-1084 (1994)D. S. Chandrasekharaiah “*Hyperbolic Thermoelasticity: a Review of Recent Literature*”, ASME Mech Rev, **51**(12), Part 1, pp. 705 (1998)

Cited by

4. D. S. Chandrasekharaiah “*Hyperbolic Thermoelasticity: a Review of Recent Literature*”, ASME Mech Rev, **51**(12), Part 1, pp. 705 (1998)
5. Tianhu He, Xiaogeng Tiang, Y.P. Shen “*State Space Approach to One-Dimensional Thermal Shock Problem for a Semi-infinite Piezoelectric Rod*” Int. J. Engng. Sci, **40**, pp. 1081-1097 (2002).

G. Foutsitzi, V. K. Kalpakidis, C. V. Massalas, “*On the Existence and Uniqueness in Linear Thermoviscoelasticity*” ZAMM, 77, 33-44 (1996).

Cited by

6. Zhang NH, Xing JJ, *Vibration analysis of linear coupled thermoviscoelastic thin plates by a variational approach* Int J Solid Struct, Volume: 45 Issue: 9 Pages: 2583-2597 Published: MAY 1 2008
7. Giorgi C, Naso MG, *Mathematical models of Reissner-Mindlin thermoviscoelastic plates* J Thermal Stresses, Volume: 29 Issue: 7 Pages: 699-716 Published: JUL 2006

D.I. Fotiadis, G. Foutsitzi, C.V. Massalas, “*Wave Propagation Modeling in Human Long Bones*” Acta Mechanica 137, 65-82 (1999).

Cited by

8. Ahmed SM, Abd-Alla AM “*Electromechanical Wave Propagation in a Cylindrical Poroelastic Bone with Cavity*” Appl Math Comput, **133** (2-3), pp. 257-286 (2002)

9. Melnik RVN “*Numerical Analysis of Dynamic Characteristics of Coupled Piezoelectric Systems in Acoustic Media*”, Math Comput Simulat, **61** (3-6), pp. 497-507 (2003)
10. Chakraborty A, *Wave Propagation in Porous Piezoelectric Media* Cmes Computer Modeling in Engineering, Volume: 40 Issue: 2 Pages: 105-132 Published: FEB 2009

D.I. Fotiadis, G. Foutsitzi, C.V. Massalas, “*Wave propagation in a piezoelectric bone of arbitrary cross section*” Int. J. Engng Sci. 38, 1553-1591 (2000).

Cited by

11. Qin, Q.-H., Qu, C., Ye, J., Thermoelastoelectric solutions for surface bone remodeling under axial and transverse loads, Biomaterials Volume 26, Issue 33, November 2005, Pages 6798-6810

L.P. Lebedev, V.K. Kalpakides, G. Foutsitzi, “*Solvability of Boundary Value Problems of the Dynamics of Nonlinear Viscoelastic Shells*” Math. & Mech of Solids 6(1), 65-86 (2000).

Cited by

12. Vorovich II, Lebedev LP “*Some Issues of Continuum Mechanics and Mathematical Problems in the Theory of Thin-Walled Structures*”, Int Appl Mech, **38** (4), pp. 387-398 (2002)

V. A. Papathanasopoulou, D.I. Fotiadis, G. Foutsitzi, C. V. Massalas. “*A Poroelastic Bone Model for Internal Remodeling*” Int. J. Engng. Sci. 40(5), 511-530 (2002).

Cited by

13. Chen XT, Davy CA, Skoczylas F, et al., *Effect of heat-treatment and hydrostatic loading upon the poro-elastic properties of a mortar* Cement and Concrete Research, Volume: 39 Issue: 3 Pages: 195-205 Published: MAR 2009
14. Rouhi G, Epstein M, Sudak L, et al., *Free surface density and microdamage in the bone remodeling equation: Theoretical considerations* Int. J. Egn Sci, Volume: 44 Issue: 7 Pages: 456-469 Published: APR 2006
15. Papathanasopoulou VA, Fotiadis DI, Massalas CV “*A Theoretical Analysis of Surface Remodeling in Long Bones*”, Int. J. Eng. Sci., **42** (3-4), pp. 395-409 (2004)
16. Vartziotis, F., Fotiadis, D.I., Lagaris, I.E., Likas, A., *PLACEBO: A Computational Platform for Health Professionals and Bioengineers*, Annual International Conference of the IEEE Engineering in Medicine and Biology - Proceedings Volume 2, Pages 1334-1337 (2003)

G.E. Stavroulakis, G. Foutsitzi, V. Hadjigeorgiou, D. Marinova and C.C. Baniotopoulos, *Design and Robust Optimal Control of Smart Beams with Application on Vibrations Suppression*, Advances in Engineering Software 36, 806-813 (2005).

Cited by

17. Marinaki, M., Marinakis, Y., Stavroulakis, G.E., *Fuzzy control optimized by PSO for vibration suppression of beams*, Control Engineering Practice, 18 (6), 618-129 (2010)

18. Sun, J., Poo, A.N., Chew, C.M., Ang, M.H., Hong, G.S., De Silva, C.W., Tan, K.K., Optimization of mechatronic design quotient using genetic algorithm in vibration controllers for flexible beams, *Journal of Vibration Control* 15 (11) 1603-1626 (2009)
19. Tsompanakis, Y., Lagaros, N.D., Psarropoulos, P.N., Georgopoulos, E.C. *Simulating the seismic response of embankments via artificial neural networks*, *Advances in Engineering Software* 40 (8), pp. 640-651 (2009)
20. Sadek, I., Kucuk, I., Zeini, E., Adali, S. *Optimal boundary control of dynamics responses of piezo actuating micro-beams*, *Applied Mathematical Modelling* 33 (8), pp. 3343-3353 (2009)
21. Hsiao, C.Y., Teng, C.K., Wang, C.S. *Characteristics of a reverse guided structure for vibration suppression*, *JVC/Journal of Vibration and Control* 15 (5), pp. 705-738 (2009)
22. Duan, Z., Zhou, Q. *Hierarchical decentralized robust control method of uncertainty structure vibration*, *Xinan Jiaotong Daxue Xuebao/Journal of Southwest Jiaotong University* 44 (2), pp. 155-159 (2009)
23. Zhou, Q., Duan, Z., Zhao, C. *The hierarchical decentralized robust control on uncertain building structure experiment research*, *Shenyang Jianzhu Daxue Xuebao (Ziran Kexue Ban)/Journal of Shenyang Jianzhu University (Natural Science)* 25 (2), pp. 235-239 (2009)
24. Sun, J., Poo, A.N., Ang, M.H., Chew, C.M., Hong, G.S., Tan, K.K., De Silva, C.W., *Evaluation and optimization of passive vibration controller design for flexible beams*, *Conference Proceedings - IEEE International Conference on Systems, Man and Cybernetics 2008*, Article number 4811855, pp 3588-3594
25. Bryce, E., Sommerville, J. *Optical combo sensor for early diagnostics within the built and natural environment*, *Proceedings of SPIE - The International Society for Optical Engineering* 7003, art. no. 70031C (2008)
26. Tsompanakis, Y., Lagaros, N.D., Stavroulakis, G.E., *Soft computing techniques in parameter identification and probabilistic seismic analysis of structures*, *Advances in Engineering Software* 39 (7), pp. 612-624 (2008)
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