

CURRICULUM VITAE



- 1. Name and Surname** : Esin İnan
- 2. Birth Date** : August,16 1944
- 3. Title** : Professor
- 4. Schools Attended** :

Degree	Field	University	Year
B.S	Civil Engineering	Istanbul Technical University (ITU)	1961-1965
Master of Eng.	Civil Engineering	Istanbul Technical University (ITU)	1965-1966
Ph.D.	Continuum Mechanics	Istanbul Technical University	1966-1970

5. Positions Held

Title	Department	University	Years
Assistant Prof.	Theoretical and Applied Mechanics	ITU	1970-1976
Associate Prof.	Continuum Mechanics	ITU	1976-1986
Full Prof.	Civil Engineering	Bosphorus Univ.	1986-1989
Full Prof.	Engineering Science	ITU	1991-2002
Full Prof.	Mathematics	Işık University	2002-2011
Full Prof.	Civil Engineering	Işık Üniversitesi	2011-.....

Habilitation: 1976

6. Graduate and Ph.D. Thesis

6.1 Graduate Thesis : (Many in the Technical University of Istanbul and Bosphorus University)

6.2 Ph.D. Thesis : **Fuat Okay (Bosphorus University -1991)**
Kamil Oruçoğlu (Istanbul Technical University-1991)

Ahmet Kiriş (Istanbul Technical University--2006)

7. Publication list

7.1 Papers in International Journals

- 1- Coupled Theory of Thermoelastic Plates, **Acta Mechanica**, 14, 1, 1972.
- 2- The Propagation of Second Order Lipschitz Discontinuities in Quasi Linear Hyperbolic Systems with Discontinuous Coefficients, (with Alan Jeffrey), **Proc. Roy. Soc. Edin.** 74A, 15, 205-224, 1974/75.
- 3- Decay of Weak Shock Waves in Hyperelastic Solids, **Acta Mechanica**, 23, 103-111, 1975.
- 4- Nonlocal Theory of Longitudinal Wave Propagation in Thermoelastic Bars, **Le Matematiche**, Vol.XLVI fasc.1.203-212, 1991.
- 5- Nonlocal Theory of Wave Propagation in Thermoelastic Plates, (with Cemal Eringen), **Int. Journal of Engineering Science**, Vol.29. No.7, 831-843, 1991.
- 6- Double Crack Problems in Nonlocal Elasticity, (with Kamil Oruçoğlu), **Int. Journal of Fracture**, 67: 81-97, 1994 .
- 7- Eshelby Tensors for a Spherical Inclusion in Microelongated Elastic Fields , (with Ahmet Kiriş) **International Journal of Engineering Science**, 43 (2005) 49-58.
- 8- Eshelby Tensors for a Spherical Inclusion in Microstretch elastic fields (with A. Kiriş) **International Journal of Solids and Structures** 43, (2006), 4720-2738.
- 9- On the Identification of Microstretch Elastic Moduli of Materials by using Vibrational Data of Plates. **International Journal of Engineering Science**, 46, 585-597, 2008.
- 10- Plates, Coupled Theory (with Theodore R. Tauchert), **Encyclopedia of Thermal Stresses**, Springer. (In press).
- 11- Eshelby Tensors for a Spherical Inclusion in Microstretch Elastic Fields (with Ahmet Kiriş), **Encyclopedia of Thermal Stresses**, Springer. (In press).
- 12- The Identification of Thermo-microstretch Moduli of Materials by the use of Vibrational Data of Plates , (with Ahmet Kiriş), **Encyclopedia of Thermal Stresses**, Springer. (In press).
- 13- Micromorphic Models of Damage and Homogenisation with Mori-Tanaka Method. (Submitted to **International Journal of Engineering Science**).

7.2 Papers in International Conference Proceedings

- 1- Moving Heat Flux on a Half-Plane, (with Mehmet Bakioğlu) **Int. Conf. on Numerical Methods in Thermal Problems**, Swansea, UK.48-57, 1979.

- 2- Torsional and Longitudinal Wave Propagation in an Hyperelastic Cylindrical Bars, **Numerical Methods for Nonlinear Problems**, Vol.3 Proc. of the IV. Int. Conf., Dubrovnik, Yugoslavia, 665-677, 1986.
- 3- Nonlocal Theory of Wave Propagation in Elastic Plates, **XVII. Int. Conf. of Theoretical and Applied Mechanics.**, Grenoble, 1988.
- 4- The Nonlocal Theory of One Dimensional Thermoelastic Waves, **Num. Methods. in Thermal Problems**, Swansea, UK. Vol. VI. Part.2, 810-820, 1989.
- 5- The Nonlocal Theory of Thermoelastic Plates and Surface Problems, Contact Loading and Local Effects in thin Walled Plated and Shell-Structures, **Proc. of IUTAM Sym. Prag**, 277-280, 1990.
- 6- Crack Problems in Nonlocal Thermoelasticity, (with Kamil Oruçoğlu) , **Numerical Methods in Thermal Problems**, Swansea, UK, Vol. VIII, Part 2, (Proc. of 8. International Conference.) 893-904, 1993.
- 7- Nonlocal Theory of Continuum Mechanics and its Applications, **Proc. 2. Int.Con. on Vibration Problems of Mathematical Elasticity and Physics**, Jalpaiguri, Vol B. 148-159, 1993.
- 8- The Micromorphic Model for Damaged Materials and its Application to Structural Bodies, (with Sumru Pala and Kamil Oruçoğlu), **Soil Mechanics 95**, May, Crete, Greece, 1995.
- 9- The Nonlocal Micromorphic Model for Damaged Materials, **Proc. of CMDS8**, June, Varna, World Scientific, 625-632, 1995.
- 10- The Nonlocal Theory of Continuous Damage Mechanics and its Applications, **Colloquium on Mechanical Behaviour of Materials**, 19-20 June 1995, Istanbul –Turkey.
- 11- Nonlocal Theory for Micromorphic Models of Damaged Materials and Wave Propagation Problems, **Third International Conference on Vibration Problems, ICOVP-1996**, Darjeering, North Bengal, November, 27-29, 1996.
- 12- The Solution of One Dimensional Wave Equation of Damaged Medium, (with Seyisali Akhiev and Kamil Oruçoğlu), **Seventh International Colloquium on Differential Equations**, Plovdiv, August 18-23, 1996.
- 13- The Theory of Thermo-Micromorphic Models of Damage Mechanics and its Applications, **Pro. International Conference on Numerical Methods in Thermal Problems**, Swansea, UK, 447-457, 1997.
- 14- The Local and Nonlocal Nonsmoth Pseudoparabolic Systems, Their Fundamental Solutions and Applications, (with Seyidali Akhiev) , Eds, E. Inan and K.Z. Markov, **CMDS9**, Proceedings, World Scientific, 522-529, 1998.
- 15- Thermo-Microstrech Model of Damage Mechanics, Eds, E. Inan and K.Z. Markov, **CMDS9**, Proceedings, World Scientific, 719-726, 1998.
- 16- Elastic Waves in Damaged Material, Proceedings of 4th **ICOVP** November 27-30, 149-160, 1999.

- 17- Integral Representation for the Solution of Some Nonclassical One Dimensional pseudoparabolic problems (with Seyidali Akhiev) , Eds. D. Bergman and E. Inan **CMDS10**, Proceedings, Kluwer, 2004.
- 18- Integral Representation for the Solution of Some Nonclassical One Dimensional Pseudoparabolic problems (with Seyidali Akhiev) , Eds. D. Bergman and E. Inan **CMDS10**, Kluwer, 281-286, 2004.
- 19- Estimation of microstretch elastic moduli by the use of vibrational data, (with Ahmet KIRIŞ) **Seventh International Conference on Vibration Problems, ICOVP-2005**, Istanbul, Springer- 2006, 281-286.
- 20- One- Dimensional Wave Propagation Problem in a Nonlocal Finite Medium with Finite Difference Method (with A. Ö. Özer,) **Seventh International Conference on Vibration Problems, ICOVP-2005**, Istanbul, Springer- 375-388.
- 21- Estimation of microstretch elastic moduli by the use of vibrational data, **Seventh International Conference on Vibration Problems, ICOVP-2005**, Istanbul, Springer, 285-290.
- 22- 3-D Vibration Analysis of Microstretch Plates (with Ahmet KIRIŞ) **8th International Conference on Vibration Problems**, Shibpur, India. **Vibration Problems ICOVP-2007**, Ed. Esin Inan and et.al. 2008 Springer, 189-200.
- 23- 3D Vibrational Analysis of the Rectangular Micro Damaged Plates (with Ahmet KIRIŞ) **(ICOVP-2007) 8th International Conference on Vibration Problems**, , Shibpur, India. **Vibration Problems ICOVP-2007**, Ed. Esin Inan and et.al. 2008 Springer, 207-214
- 24- On the identification of microstretch elastic moduli of materials by using vibrational data of plates. "Micromechanics of Materials" ASME, **Mechanics and Materials** Conference, Austin, TX, June 3-7, 2007. **International Journal of Engineering Science**, **46**, 585-597, 2008.
- 25- Thermo-microstretch elastic bodies and plane waves, (with Ahmet Kiriş) 2011, s. 012012, CMDS 12 - Continuum Models and Discrete Systems, Kolkata, India, 2/21/2011 - 2/25/2011, <http://iopscience.iop.org/1742-6596/319/1/012012>, **Journal of Physics: Conference Series**, 319-1, (Edited by Basu A, Chakrabarti B K, Chandra A K)
- 26- A Hollow Cylinder Problem in Microstretch Theory. (with Ahmet Kiris), **ICOVP-2011**, 5-8 Sept. Prague, Springer, 2011, 139. Springer Proceedings in Physics, 139, (edited by Verhulst F, Okrouhlik M, Horalek J, Marvalova B, Naprstek J)
<http://www.springerlink.com/content/rw73227088022776/fulltext.pdf>

7.3 Sections in International Books:

- 1- Micromorphic Model of Damaged Materials and Wave Propagation Problems, **Lecture Notes in Mathematical Sciences** (Volume 5, 1997), Jadavpur University, India pp: 56-75, 1997.
- 2- Mori–Tanaka method in Damaged Materials, **Lecture Notes in Mathematical Sciences** (in press), Jadavpur University, India.

7.4 Papers in National Journals

- 1- Die Numerische Berechnung des Gleichgewichts Einer Stabkette, (in Turkish, *Bir Çubuk Katarının Denge Fomunun Sayisal Hesabi*) **M. Inan Anısına, ITU Publication**, Arı Kitapevi, 1971.
- 2- The Propagation of Weak Discontinuities in Quasi Linear Hyperbolic Systems in the Presence of a Strong Discontinuity, Part I: Fundamental Theory, **Bull. Tech. Univ. Istanbul**. Vol.34, No.2, 48-66, 1981.
- 3- The Propagation of Weak Discontinuities in Quasi Linear Hyperbolic Systems in the Presence of a Strong Discontinuity, Part II: Applications to Hyperelastic Media, **Bull. Tech. Univ. İstanbul**. Vol.35, 99-118, 1982.
- 4- Strong Discontinuities in Elastoplastic Materials, **Bull. Tech. Univ. Istanbul**. Vol.39, 239-257, 1986.
- 5- Nonlocal Thermal Modula, **Bull. Tech. Univ. Istanbul**, V.45, Num: 1-3, 299-318, 1992.
- 6- Reductive Perturbation Method, Part I, General Theory, (with T. Taniuti), **Bull. Tech. Univ. İstanbul**, V.47, Num: 1-3, 299-318, 1994.
- 7- On a Lamé's problem in the Micromorphic Theory of Anisotropic Damage, (with K.Z.Markov), **Bull. Tech. Univ. İstanbul**, V.47, Num:4, 365-377, 1994.

7.5 Papers in National Conference Proceedings

- 1- Wave Propagation in Nonlinear Elastic Materials, (in Turkish, *Nonlinear Elastik Malzemelerde Dalga Yayılımı*) **TUBITAK**, VI. Congress, Ankara, 643-657, 1978.
- 2- Stability of the Materials Having Strong Discontinuity. (in Turkish, *Kuvvetli Süreksizlik Yüzeyini Haiz Malzemelerde Stabilite*) **TUMTMK, I. National Conference of Mechanics** (I. Ulusal Mekanik Kongresi (IUTAM affiliated)) İstanbul, 219-234, 1979.
- 3- The Propagation of Weak Discontinuities in the Materials Having Contact Discontinuity, (Deyme Süreksizliği olan ortamlarda zayıf süreksizliklerin yayılımı), **TUMTMK, II. National Conference of Mechanics** (II. Ulusal Mekanik Kongresi (IUTAM affiliated)), Trabzon, 310-324, 1981.
- 4- One Dimensional Shock Waves in Viscoelastic Media (Viskoelastik Ortamlarda Bir Boyutlu Şok Dalgaları) **TUMTMK, III. National Conference of Mechanics** (III. Ulusal Mekanik Kongresi (IUTAM affiliated)) Bursa, 359-371, 1983.

5- The propagation of Torsional and Longitudinal Waves in Bars. (Çubuklarda Bileşik Burulma ve Boyuna Dalgaların Yayılımı,) **TUMTMK, IV. National Conference of Mechanics** (IV. Ulusal Mekanik Kongresi (IUTAM affiliated)) , İstanbul, Vol. I, 397-414, 1986.

6- Nonlocal Thermoelastic Plates (Yerel Olmayan Teori ile Termoelastik Plaklar,) **TUMTMK, V. National Conference of Mechanics** (V. Ulusal Mekanik Kongresi (IUTAM affiliated)) Vol. II Bursa, 567-577, 1987.

7- Thermoelasticity and Thermoelastic Modula in Nonlocal Theory (Yerel Olmayan Teori ile Termoelastisite ve Termal Modüller), **TUMTMK, VI. National Conference of Mechanics** (VI. Ulusal Mekanik Kongresi (IUTAM affiliated)) Volume II, Bursa 484-500, 1989.

8- Double Crack Problem in an Infinite Elastic Medium Subjected to Shear Loading, (with K.Oruçoğlu) **II. National Mathematics Symposium**, Van, 55-67, 1990.

9- The Propagation of one Dimensional Longitudinal Waves in Thermoelastic Bars with Nonlocal Theory. (Yerel Olmayan Teori ile Termoelastik Çubuklarda Boyuna Dalga Yayılımı) **TUMTMK, VII. National Conference of Mechanics** (VII. Ulusal Mekanik Kongresi (IUTAM affiliated)) , Antalya, 291-302, 1991.

10- Double Crack Problem in Infinite Elastic Body (Sonsuz Elastik Katıda Doğrusal Çift Çatlak Problemi.) **TUMTMK, VII. National Conference of Mechanics** (VII. Ulusal Mekanik Kongresi (IUTAM affiliated)) , Antalya 431-439, 1991.

11- Crack Problems in Nonlocal Thermoelasticity, (Yerel Olmayan Termoelastisitede Çatlak Problemi) **TUMTMK, VIII. National Conference of Mechanics** (VIII. Ulusal Mekanik Kongresi (IUTAM affiliated)) , Antalya 336-346, 1993.

12- The Solution of Nonlinear Hyperbolic Integrodifferential Equations and its Application to Damage Mechanics, (with Kamil Oruçoğlu and Seyidali Akiev), (Lineer Olmayan Hiperbolik Tipten İntegrodiferansiyel Denklemin Çözümü ve Hasar Mekaniğine Uygulanması) **TUMTMK, IX. National Conference of Mechanics** (IX. Ulusal Mekanik Kongresi (IUTAM affiliated)) Göreme, Vol.I, Göreme, 362-371, 1995.

13- Nonlocal Theory of Micromorphic Modelling of Damaged Materials, (Hasarlı Malzemelerin Mikromorfik Modellerinin Yerel Olmayan Teorisi), **TUMTMK, IX. National Conference of Mechanics** (IX. Ulusal Mekanik Kongresi (IUTAM affiliated)) Göreme, Vol.2, 372-381, 1995.

14- Damage Analysis with Non-classical Models, (Klasik olmayan Modellerle Hasar İncelemesi), **Turgan Sabis Anısına, Symp.**, Istanbul Technical University, Ayazağa, Yapı Merkezi, 1995.

15- Pseudoparabolic Linear Boundary Value Problems and Riemann Function, (with Seyidali Akhiev), (Pseudoparabolik Lineer Sınır Değer Problemleri ve Riemann Fonksiyonu, **X. National Conference of Mechanics** (X. Ulusal Mekanik Kongresi, (IUTAM Aff.) TUMTMK, İTÜ, İstanbul, 1998.

16- Damage Mechanics and Micromorphic Models (Hasar Mekaniği ve Mikromorfik Modeller), **X. National Conference of Mechanics** (X. Ulusal Mekanik Kongresi, (IUTAM Aff.) TUMTMK, İTÜ, İstanbul, 1998.

17- Micromorphic model of damage and Homogenisation Problem (Mikromorfik Modelle hasar tanımı ve homojenleştirme problemi,) **TUMTMK, XI. National Conference of Mechanics** (XI. Ulusal Mekanik Kongresi (IUTAM affiliated)) ITU, 389-396, 2000.

18- Green Functions of some elliptic integrodifferential equations (with Seyidali Akhiev) (Bazı eliptik integrodiferansiyel denklemlerin Green fonksiyonları) **XII. National Conference of Mechanics** (XII. Ulusal Mekanik Kongresi, (IUTAM Aff.)TUMTMK, İTÜ, 93-99, 2001.

19- Damage Definition in Microelongated Materials and the Determination of Eshelby Tensors, (Mikrogenleşen malzemelerde hasar tanımı ve Eshelby tansörlerinin elde edilmesi,) **TUMTMK, XIII. National Conference of Mechanics** (XIII. Ulusal Mekanik Kongresi (IUTAM affiliated)) İTÜ, 2003.

20- Homogenization Problem in Microelongation Materials (with Ahmet Kiris) Mikrogermeli Malzemelerde Homojenleştirme Problemi) **XIV. National Conference of Mechanics** (XIV. Ulusal Mekanik Kongresi (IUTAM affiliated) Antakya, Mustafa Kemal Üniversitesi, TUMTMK, 2005, 561-570.

21- Wave propagation in Microelongated Plates and Vibration Analysis for Different Boundary Conditions.(with Ahmet Kiris) , (Mikrogermeli plaklarda dalga yayılımı ve farklı sınır koşulları için titreşim analizi), **XV. National Conference of Mechanics** (XV. Ulusal Mekanik Kongresi (IUTAM affiliated), 3-7, Sept. 2007, Proceedings: 2008, Süleyman Demirel Univ., 2008, 561-560.

22- Material Properties in microelongated media (Mikrogermeli Ortamlarda Malzeme Sabitleri), **XVI. National Conference of Mechanics** (XVI. Ulusal Mekanik Kongresi, Kayseri, (IUTAM affiliated)), 2009, Volume 2, 709-718.

23- Determination of material constants of microisotropic materials by wave propagation and vibration analysis, (with Ahmet Kiriş) (Mikroizotropik Malzemelerde dalga yayılımı ve titreşim analizi ile malzeme sabitlerinin elde edilmesi), **XVII. National Conference of Mechanics** (XVII. Ulusal Mekanik Kongresi (IUTAM affiliated), Elazığ 5-9/9/2011.

<http://www.tumtmk.org/ulusal-mekanik-kongresi-17-elazig>

7.6 Other Publications

1- Coupled Boundary Value Problems of Fourth Order Linear Systems, (with Mithat İdemen), TÜBİTAK, Report No.6, Istanbul, 1969.

2- Cisimlerin Mukavemeti, Problem Kitabı (Translation “Strength of Materials”, William Nash. Schaum Publ. Co. New York, 1957), Tech. Uni. Ist, 1970.

3- Thermoelastic Plates (in Turkish, Termoelastik Plaklar), İTÜ, İnşaat Fakültesi , 1970

4- Some Comments on Witham Method in Nonlinear Elasticity, Report, University of Newcastle upon Tyne, Dept. of Engineering Mathematics, UK., 1975.

5. Strength of Materials, Solved Problems (Turkish, Cisimlerin Mukavemeti, Çözümlü Problemler, İTÜ, Temel Bilimler Fakültesi, 1979.

6- Dynamic Behaviours of Bars, “Deformable Bodies” (Turkish, Çubukların Dinamik Davranışları, Şekil Değiştiren Cisimler Mekaniği,) TÜBİTAK- TUMTMK- IUTAM Aff.-, Summer School- (Yaz Okulu,) Trabzon, 81-149, 1984.

7. Klasik Mekanik, (Translation of “Classical Mechanics”, H.C.Corbeb, D.Stehle, John Wiley and Sons,1960) , İTÜ, Faculty of Basic Sciences, 1984.

8. Mühendislikte Plastisite, (Translation of “ Engineering Plasticity”, C.R.Carradine, Pergamon Press,1985),(with Ergün Toğrol) Bilimsel ve Teknik Yayınları Çeviri Vakfı, 1996.

(EDITED BOOKS)

9. Proceedings of **I. National Conference of Mechanics** (I. Ulusal Mekanik Kongresi- Bildiriler Kitabı,) İstanbul, 1979.

10. Proceedings of **II. National Conference of Mechanics** (II. Ulusal Mekanik Kongresi- Bildiriler Kitabı,) Trabzon, 1981.

11. Proceedings of **III. National Conference of Mechanics** (III. Ulusal Mekanik Kongresi- Bildiriler Kitabı,) Bursa, 1983.

12. Mechanics of Deformable Bodies (Şekil Değiştiren Cisimler Mekaniği), Summer School TUBITAK-TUMTMK, Trabzon, 1983.

13. Proceedings of **IV. National Conference of Mechanics**, (IV. Ulusal Mekanik Kongresi- Bildiriler Kitabı,) İstanbul, 1985.

14. Proceedings of **V. National Conference of Mechanics**, (V. Ulusal Mekanik Kongresi- Bildiriler Kitabı), Volume I and II, Bursa, 1987.

15. Proceedings of **VI. National Conference of Mechanics** , (VI. Ulusal Mekanik Kongresi- Bildiriler Kitabı), Volume I and II, Bursa, 1989.

16. Proceedings of **VII. National Conference of Mechanics**, (VII. Ulusal Mekanik Kongresi- Bildiriler Kitabı), Volume I and II, Antalya, 1991.

17. Proceedings of **VIII. National Conference of Mechanics**, (VIII. Ulusal Mekanik Kongresi- Bildiriler Kitabı), Volume I and II, Antalya, 1993.

18. Proceedings of **IX. National Conference of Mechanics**, (IX. Ulusal Mekanik Kongresi- Bildiriler Kitabı), Volume I and II, Ürgüp, 1995.

19. **Bulletin of Technical University of Istanbul, Special Issue:- Suhubi and Continuum Mechanics-** (Guess Editor) Vol.47, No.1-2, 1994.

20. **Bulletin of Technical University of Istanbul, Special Issue:- Suhubi and Continuum Mechanics-** (Guess Editor) Vol.47, No.3, 1994.

21. **Bulletin of Technical University of Istanbul, Special Issue:- Suhubi and Continuum**

Mechanics- (Guest Editor) Vol.47, No.4, 1994

22. Proceedings of the **Ninth International Symposium on Continuous Models and Discrete Systems 9, CMDS9**, World Scientific, 1998.

23. Proceedings of the **Tenth International Symposium on Continuous Models and Discrete Systems 10, CMDS10**, Kluwer , 2002.

24. Proceedings of the **Seventh International Conference on Vibration Problems, ICOVP-2005**, Springer.

25- Proceedings of the **Seventh International Conference on Vibration Problems, ICOVP-2007**, Springer.

(Novels)

26. Karanlıktaki Aydınlar- Berfin Yayınevi, 2000.

27. Bu Yazar Yalan Söylüyor. –Berfin Yayınevi, 2001.

28. Umutsuzluğa Yolculuk – (with Gülhan Moeel), Berfin Yayınevi, 2002

8. Projects:

2 NATO Project (on Nonlocal Theory)

1 TÜBİTAK Project (on Non-Classical Model)

9. Administrative Duties

1983-1986 : Assoc. Dean of the Faculty of Science and Letters (İTÜ)

1984-1986 : Deputy, Institute of Science and Technology (İTÜ)

1989-1991 : Senator of the Faculty of Science and Letters (İTÜ)

1991-1995 : Dean of the Faculty of Science and Letters (İTÜ)

1979-1991 : Secretary General of the National Committee of the Theoretical and Applied Mechanics of Turkey (TUMTMK)

1991-1995 : Chairperson of the National Committee (TUMTMK).

1992-1996 : Board member of the Foundation of Istanbul Technical University

1995- 2001 : Board Member of Istanbul Science Centre Foundation

1999-2002 : Chair of the Department of Engineering Science (İTÜ, Faculty of Science and Letters)

2000- 2002 : Board member of the Foundation of Istanbul Technical University

2003- 2005 : Board member of the Foundation of Istanbul Science Center

2004-.2007 : Vice-President of ISIK University

2011-..... : Chair of the Department of Civil Engineering (ISIK University, Faculty of Engineering)

10. Scientific Memberships

Turkish Committee of Theoretical and Applied Mechanics

AMS (American Mathematical Society)

New York Academi of Science

Turkish Mathematical Society

11. Rewards

Graduate scholarship in the course of Ph.D. Studies (From the Scientific and Technical Research Council of TURKEY, TÜBİTAK)

12. Conferences and Seminars given

1- Plastic Analysis and Hyperstatic Systems, Istanbul Technical University (İTÜ), Civil Engineering Faculty, Department of Applied Mechanics, 1967.

2- Thermal Stresses in Plates, Istanbul Technical University (İTÜ), Civil Engineering Faculty, Department of Theoretical and Applied Mechanics, 1970.

3- Advanced Transform Techniques; Mellin, Kontorovich, Lebedev, Mehler-Fock, Meijer, Hilbert Transforms, (6 weeks), Tech. and Res. Council of Turkey, (TÜBİTAK), Applied Mechanics Research Unit., 1971.

4. Theory of Perturbation Methods of Poincaré-Lighthill-Kuo, (4 weeks) Technical and Research Council of Turkey, (TÜBİTAK), Applied Mechanics Research Unit., 1972.

5- Stability, Liapunov Direct Method, (6 weeks), Technical and Research Council of Turkey, (TÜBİTAK), Applied Mechanics Research Unit., 1972.

6. Functional Analysis, (6 weeks), Istanbul Technical University (İTÜ), Civil Engineering Faculty, Department of Applied Mechanics, 1973.

7. Thermoelastic Analysis of Contact Problems, Istanbul Technical University (İTÜ), Civil Engineering Faculty, Department of Applied Mechanics, 1973.

8. Wiener-Hopf Technique in Mixed Boundary Problems, Technical and Research Council of Turkey, (TÜBİTAK), Applied Mechanics Research, Unit., 1973.

9. Propagation of Higher Order Weak Discontinuities in Quasi Linear Hyperbolic Systems in the Presence of a Strong Discontinuity, Istanbul Technical University (İTÜ), Faculty of Basic Sciences, Department of Applied Mechanics, 1977.

10. Decay of Shear Waves in Hyperelastic Medium, Istanbul Technical University (İTÜ), Civil Engineering Faculty, Department of Applied Mechanics 1978.

11. Shear Discontinuities in Plasticity, Istanbul Technical University (İTÜ), Civil Engineering Faculty, Department of Applied Mechanics 1979.

12. Whitham Method, Istanbul Technical University (İTÜ), Maçka, Faculty of Engineering, 1980.

13. Strong Discontinuity Surfaces in Plasticity, Istanbul Technical University (İTÜ), Maçka, Faculty of Engineering, 1981.
14. General Theory of Nonlinear Wave Propagation- Application in Continuum Mechanics- (3 weeks), Uni. of John Hopkins, Division of Civil Engineering, Baltimore, USA, 1983.
15. Nonlinear Wave Propagation- Applications on Gas Dynamics- Duke University, Dept. of Civil Engineering, Durham, NC., USA, 1983.
16. Nonlinear Wave Propagation- Applications in Plasticity- Gannon University, Department of Mechanical Engineering, Gannon, USA, 1983.
17. Strong Discontinuity Surfaces in Elastoplastic Materials, Istanbul Technical University (İTÜ), Civil Engineering Faculty, 1984.
18. Nonlinear Wave Propagation in Elastoplastic Materials, Bosphorus University, Faculty of Engineering, 1986.
19. Nonlocal Theory of Wave Propagation in Thermoelastic Plates, İstanbul Technical University (İTÜ) , Civil Engineering Faculty, 1988.
20. Temperature Dependent Materials, Boğaziçi University, Faculty of Engineering, 1989.
21. Nonlocal Theory of Continuum Mechanics and its Applications in Thermoelasticity, Bosphorus University, Faculty of Engineering, 1989.
22. Damage Mechanics, (4 weeks), İstanbul Technical University (İTÜ), Faculty Science and Letters, 1993.
23. Micromorphic Models of Damaged Solids, Bath University, School of Mathematics, Bath, England, UK, 1995.
24. Nonclassical Models of Damage Mechanics, Glasgow University, Scotland, UK, 1995.
25. Damage Mechanics, University of California, Berkeley, Civil Engineering Department, USA,1999.
26. Damaged Materials and Mori Tanaka Method, Stanford University, Mechanical Engineering Department, USA,1999.
27. Micromorphic Models in Damaged Bodies and Wave Propagating Problems, National University of Mexico, Institute of Mathematics, Mexico, 1999.
28. Determining Overall Material Modula in Damaged Body, Jadavpur University, India, 1999.
- 29- Damage Mechanics, Theory and Applications. ICOVP-2009, Kolkata, India

30- Engineering Education. (National Congress of Mechanics-IUTAM Aff.) Kayseri,2009.

13. Courses Given

1. Dynamics (undergraduate)
2. Statics (undergraduate)
3. Strength of Materials (undergraduate)
4. Advanced Strength of Materials (undergraduate)
5. Classical Mechanics (undergraduate)
6. Calculus of Variation (undergraduate)
7. Differential Equations (undergraduate)
8. Linear Algebra (undergraduate)
9. Multivariable Calculus (undergraduate)
10. Introduction to Mathematical Engineering (undergraduate)
11. Theory of Elasticity (graduate and undergraduate)
12. Fluid Dynamics (undergraduate)
13. Gas Dynamics (undergraduate)
14. Mathematical Modelling (undergraduate).
15. Theory of Elastic Stability (graduate and undergraduate)
16. Mathematics for Engineers (graduate and undergraduate)
17. Continuum Mechanics (graduate and undergraduate)
18. Nonlinear Wave Propagation (graduate)
19. Elastodynamics (graduate)
20. Linear Boundary Problems I and II (graduate)
21. Special Topics in Mechanics (graduate)
22. Damage Mechanics (graduate)

14. Courses given last two years

Academic year	Term	Courses	Hours		Number of the students
			Course	PS	
2010-2011	Fall	Differential Equations	3	2	55
		Multivariable Functions and Differential Equations	4	1	37
		Linear Algebra (2 session)	3	0	80
	Spring	Introduction to Mathematical Engineering	3	0	18
		Differential Equations	3	1	35
		Multivariable Functions and Differential Equations	4	1	37
2011-2012	Fall	Multivariable Functions and Differential Equations	4	1	50
		Multivariable Functions and Differential Equations	4	1	38
	Spring	Differential Equations	3	2	35
		Statics	3	1	07