

RESUME

NAME:

Mohammad Reza Eslami, Professor
Mechanical Engineering Department
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EDUCATION:

High School : Math. Dip., Hadaf No.1, Tehran Iran, 1963
B.Sc. : Mech Eng., Tehran Polytechnic, Iran, 1968
M.Sc. : Mech Eng., Louisiana State University, Baton Rouge La.,
. USA, 1970
Ph.D : Mech Eng., Louisiana State University, Baton Rouge La., USA,
. 1973

EMPLOYMENT:

- - Louisiana State University, teaching assistant, Mech Eng., 1969-1970
- - NASA-LSU space shuttle team project through Manned Spacecraft Center in Houston, Research Assistant and later Associate Research, 1970-1973
- - Amirkabir University of Technology, Assistant Professor Mech. Eng., 1973-1977
- - Louisiana State University, Associate Professor, Mech. Eng. Dept., 1977
- - Amirkabir University of Technology, Associate Professor 1978-1989; Professor since 1989
- - Advisor, Ministry of Defense, 1983-1991
- - Chairman, Engineering section, Iran Academy of Sciences, 2003-2005.

CONSULTING:

Major consulting projects are:

- - Farmanfarmaian Consulting Engineering (Kamiran), consulting on Neka thermal power plant, 1974.
- - Jovan Consulting Engineering, 1- Design of hot crude oil pipeline of Abbadan-Mahshahr. 2- Pipeline cost optimization to Ahwaz and Marrun area related to the gas injection project. 1975.
- - Iran Delta Consulting Engineering, Sabzevar-Mashad pipeline: 1- Hydraulic gradient analysis, 2- Pressure surge analysis. 1976.
- - Vazne Engineering, Design of moving cranes with span of 5 to 30 meters and 0.5 to 50 tons capacity. A computer code was developed based on AISC code to design the cranes of box construction, 1981.
- - Feasible Consulting Engineering, Pipeline flexibility analysis of Gachsaran Compressor Station Number 2, 1984.
- - Machine Sazi Arak, Design of natural gas transport pressure vessels (based on DOT and ASME Sec. VIII, Div. 1), 1986.
- - Ghods Niru Consulting Engineering, Rasht Industrial city combined power plant project. Joint work with Siemens (of Germany) to overcome the design problems of the power plant structures.

The ASME Sec.VIII Div. 2 was used. 1992-1993.

- - Consulting for Tavanir to overcome turbine problems manufactured and installed by Mitsubishi (of Japan) in Shahid Rajai and Gharb power plants. 1994.
- - Arak oil refinery, redesign of the distillation tower due to catastrophic failure, 1995.
- - Tehran oil refinery, redesign of the distillation tower to bear new function. 1997.
- - Tehran oil refinery, redesign of the stabilized column due to catastrophic failure, 2006.

ACADEMY PROJECTS:

(Joint projects in the mechanical engineering branch)

- 1 - Study the Role of Scientific Societies, 1994.
- 2 - The Role and Duties of Academy of Sciences in a Number of Countries, 1995.
- 3 - Study of the Engineering Societies in Iran for Optimum use of their Potential, 2004.
- 4 - A Preliminary Study on Foresighting, 2007.
- 5 - Position and the Duties of Think Tanks for Sustainable Development, 2009.
- 6 - Evaluation of Engineering Journals in Iran, 2013.

SOCIETY MEMBERSHIP:

ASME Fellow; American Society of Mechanical Engineers

AIAA Associate Fellow; American Institute of Aeronautics & Astronautics

Member; Society for Design and Process Science (SDPS)

President, Member of Board of Directors; Iranian Society of Mechanical Engineers

Who's who:

- - **MARQUIS Who's who** ; Biography appeared in:

Who's who in Engineering & Science, 1992

Who's who in the World, 1998

Who's who in Finance and Industry, 1988

- - **American Biographical Institute;** Biography appeared in:

International Who's who of Contemporary Achievement.

- - **International Biographical Center, Cambridge;** Biography appeared in:

Dictionary of International Biography, 27 Ed.

International Who's who of Intellectuals, 13 Ed.

2000 Outstanding Academics of the 21st. Century

- - **Rifacimento Int., New Delhi, India;** Biography appeared in:

Asian/American Who's who, Vol. III

Reference Asia, Asian's Who's Who of Men and Women of Achievement, 2003.

RECOGNITION AND AWARDS:

- - **Honorable Doctor**, Odlar Yurdu University, Azerbaijan, Sept. 22, 2011.
- - **ASME Fellow** member
- - **AIAA Associate Fellow** member
- - **Fellow;** Iran Academy of Sciences, Head of mechanical engineering branch (1992-95)

Chairman of Engineering section (2003-2005)

- - **UNESCO EINSTEIN Medal**, For Basic Sciences, UNESCO Representative in Iran, 2008.
- - **Kharazmi International Award**, (First place) The Iranian Research Organization for Science and Technology (IROST), Tehran Feb. 2008.
- - Recognition of honor by the court of Iran as top BS graduate, 1968.
- - National Secretary of the ISME Honor members committee since 1992.
- - **Distinguished Professor** ; Amirkabir University of Tech 1991, 1997, 2002.
- - **ASME 1994 Award Plaque**, American Society of Mech. Eng. (ASME), ASME-ESDA Conf. London, July 1994
- - **ISME 1996 Plaque recipient**, National distinguished Professor
- - **ASME 1996 Award plaque** ASME-ESDA conf. Montpellier, France, July 1996.
- - **ASME honorarium** of US\$500, for US Chair for Computational Mechanic Symposium, ASME-ESDA Conf. Montpellier, France, July 1996
- - **1998 ASME-ESDA Award Plaque**, Society for Design and Process Science, Third World Conference on Integrated Design and Process Tech., 1998, Berlin, Germany.
- - **ASME Award Plaque**, American Society of Mechanical Engineers, Petroleum Div., ESDA 2000 Conference, Montreux, Switzerland, July 10-13, 2000.
- - **ASME Petroleum Div. Medal**, American Society of Mechanical Engineers, Petroleum Div., ESDA 2000 Conference, Montreux, Switzerland, July 10-13, 2000.
- - **Nationally distinguished researcher**, Ministry of Higher Education, Islamic Republic of Iran, 2002.
- - **Nationally distinguished Professor**, Ministry of Higher Education, Islamic Republic of Iran, 2003.
- - **Eternity Figure**, IRIB, 2003.
- - Member, **Chinese Institute of Mechanical Engineers Expert Committee**, 2007.

EDITORIAL BOARD OF JOURNALS AND CONFERENCES

- - Editor-in-Chief, Transactions of Iranian Society of Mech. Eng.
- - Board of Editor, Journal of Thermal Stresses, Taylor & Francis, New York.
- - Board of Editor, International Journal of Mechanics and Solids, Delhi, India.
- - Board of Editor, Journal of Engineering, Ministry of Science & Higher Education, Islamic Republic Iran
- - Board of Editor, Amirkabir Journal of Engineering, Amirkabir University of Technology
- - Board of Editor, Scientia Iranica. Sharif Univ. of Tech., Tehran.
- - Board of Editor, Iranian Journal of Science and Technology, Shiraz Univ.
- - Board of Editor, Iranian Journal of Engineering Education, Iran Academy of Sciences.
- - Conference Chairman, 3rd. Azarab Industries Conf. on Pressure Vessel Technology, Sept. 1992
- - Conference Chairman, 1st. Winter Annual Conference Iranian Society of Mechanical Engineers, Feb. 1993, Member of Scientific Committee of 2nd ISME-1994, Chairman of Scientific Committee of 3rd ISME-1995.
- - ASME-ESDA European Conference, Program Committee member, 1994, London
- - U.S. Chairman of Computational Mechanic Symposium, ASME-ESDA96 Montpellier, France, July 1-4, 1996
- - Program Committee member, The Third World Conference on Integrated Design and Process Technology, Society of Design & Process Science Joint conf with ASME-ESDA, 1998, Berlin, Germany
- - ASME-ESDA European Conference, Program Committee member and chairman of Solid Mechanics Symposium, Montreux, Switzerland, July 10-13, 2000.
- - ASME-ESDA European Conference, Program Committee member and chairman of Solid Mechanics Symposium, Istanbul, Turkey, July, 2002.
- - ASME-ESDA European Conference, International Program Committee member, Istanbul,

Turkey, July, 2010.

- - Reviewer, Int. J. Solid and Structure, U.S.A
- - Reviewer, Tran. ASCE, J. Engineering Mech., U.S.A
- - Reviewer, Tran. ASME, J. Applied Mech., U.S.A
- - Reviewer, AIAA J., U.S.A
- - Reviewer, Nature
- - Reviewer, International J. of Mechanical Sciences, UK
- - Reviewer, Int J. Pressure Vessels and Piping, UK.
- - Reviewer, Structural Engineering and Mechanics, An Int J., South Korea
- - Reviewer, Mechanics, Research Communications, Basic and Applied, USA
- - Reviewer, Journal of Mechanics of Materials and Structures, U.S.A
- - Reviewer, Journal of Sound and Vibration.
- - Reviewer, European Journal of Mechanics, A/ Solids.
- - Reviewer, Mechanics of Advanced Materials and Structures.
- - Reviewer, Int. J. Nonlinear Mech.
- - Reviewer, Composite Structures.
- - Reviewer, Thin Walled Structures.
- - Reviewer, Acta Mechanica
- - Reviewer, Meccanica
- - Reviewer, Composites Part B
- - Reviewer, Applied Mathematical Modelling
- - Reviewer, Computer Methods in Applied Mechanics and Engineering
- - Reviewer, European Journal of Computational Mechanics
- - Reviewer, Journal of the Franklin Institute
- - Reviewer, IMechE Transactions
- - Reviewer, Journal of Engineering Mathematics
- - Reviewer, ZAMM

COURSES TAUGHT:

Undergraduate ;

- 1- Dynamics
- 2- Kinematics
- 3- Advance Dynamics
- 4- Vibration
- 5- Machine Design 1
- 6- Machine Design 2
- 7- Advance Strength of Mat.
- 8- Instrumentation
- 9- Advance Fluid Mech.
- 10-Orbit Mechanics
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Graduate ;

- 1- Plasticity
- 2- Thermoelasticity
- 3- Finite Element 1
- 4- Finite Element 2
- 5- Theory of Plates
- 6- Continuum Mechanics
- 7- Advance Dynamics
- 8- Numerical Analysis
- 9- Stability, Dynamic sys.
- 10-Elasticity
- 11-Advance Fluid Mech.

Professional Courses:

- 1- ASME Pressure Vessel Code Sec.VIII, Div. 1
- 2- ASME Pressure Vessel Code Sec.VIII, Div. 2
- 3- Piping Flexibility Analysis, and ASME B31.3
- 4- Piping transmission design, ASME B31.4

Graduate Student Supervisor

- Supervised over 350 Master student research thesis.
- Graduated 18 Ph.D. students.

BOOKS;

International:

- 1- Editor: ” **Design: Analysis, Synthesis, and Application, Vol. C** ” Pub. ASME, New York, 1994
- 2- Co-Editor: ”**Design: Analysis, Synthesis, and Application, Vol. A**” Pub. ASME, New York, 1994
- 3- Co-Editor: ”**Design: Analysis, Synthesis, and Application, Vol. B**” Pub. ASME, New York, 1994
- 4- Editor: ” **Computational and Thermomechanic**, Proc. ASME-ESDA conf. ASME, New York, 1996
- 5 - Co-Editor: ” **General Design Analysis, Considerations and Applications - Education** , Vol. 6, SDPS, Texas, 1998.
- 6 - Author: **A First Course in Finite Element Analysis**, (in English), Amirkabir University Press, 2003.
- 7 - Co-Author with Professor R. B. Hetnarski, Rochester Inst. of Tech., New York, **Thermal Stresses; Advanced Theory and Applications**, Springer, The Netherlands, 2009.
- 8 - Author, **Thermo-Mechanical Buckling of Composite Plates and Shells**, Amirkabir University Press, 2010.
- 9 - Co-Author: **Theory of Elasticity and Thermal Stresses, Problems and Solutions**, Springer, The Netherlands, 2013.
- 10 - Section Editor, **Encyclopedia of Thermal Stresses**, Springer, The Netherlands, 2013.
- 11 - Author: **Finite Element Methods in Mechanics**, Springer, The Netherlands, 2014.
- 12 - Co-Author, **Buckling and Postbuckling of Beams, Plates, and Shells**, in preparation.

Book Section

- 1 - Thermal Stresses in Thick FGM Pressure Vessels, Appeared in **Pressure Vessels and Piping : Codes, Standards, Design and Analysis**, Edited by Baldev Raj, B.K. Choudhary, and Velusamy, Narosa Publishing House, 2007, India.

CONFERENCE PUBLICATIONS

- 1 - Eslami, M.R., *Wind Tunnel Balance System for Determination of Wind Induced Vibrations of a Rigid Shuttle Model in the Lunch Configuration*, Presented to NASA- Manned Spacecraft Center in Houston, NASA Contract No.NAS-9-10464, 1971.
- 2 - Eslami, M.R., *Booster Water Impact, Analytical and Numerical Studies (Space Shuttle Project)*, Presented to NASA Houston Space Center, NASA Contract No.NAS-9-12352, 1973.
- 3 - Sabbaghian, M., Eslami, M.R., *Creep Relaxation of Axisymmetric Thermal Stresses in a Thick Walled Cylindrical Pressure Vessel*, ASME Paper No. 74-PVP-9, June 1974.
- 4 - Eslami, M.R., *Creep Analysis of Spherical Vessels Subjected to Inside Pressure and Radial Temperature Variations*, Proceedings, Int. Conf. Nonlinear Mech. Shanghai, China, Oct. 28-31, 1985.
- 5- Eslami, M.R., Salehzadeh, A., *Application of Galerkin Method to Coupled Thermoelastic*

Problems, Proc. 5th Int. Modal Analysis Conf., London, England, April, 6-9, 1987.

6- Eslami, M.R., Loghman, A., *Thermoelastic-Plastic-Creep Analysis of Thick Cylindrical Pressure Vessels of Strain Hardening Materials*, Proceedings, ASME-PVP Conf., Honolulu, Hawaii, July 23-27, 1989.

7- Eslami, M.R., Vahedi, H. , *A Galerkin Finite Element Formulation of Coupled Thermoelasticity Spherical Problems*, Proceedings, ASME-PVP Conf., Honolulu, Hawaii, July 23-27, 1989.

8- Eslami, M.R., Tafreshi, A., *Thermoelastic-Plastic Analysis of Beams*, Proceedings, Int. Conf. of Constitutive Laws in Engineering Materials, Chongqing, China, Aug. 10-13, 1989.

9- Eslami, M.R., Yazdan, M.R., Salimi, E., *Elastic-Plastic-Creep Analysis of Thick Cylinders and Spheres of Strain Hardening Materials*, Proceedings, Int. Congress of Applied Mech., Beijing, China, Aug. 21-25, 1989.

10- Eslami, M.R., Pazira, A.B., *An Algorithm for The Slip-Line Field of a Strain Hardened Materials*, Proceedings, 3rd. Int. Conf. of Tech. of Plasticity, Kyoto, Japan, July 1-6, 1990.

11- Eslami, M.R., *A Comparison of Displacement and Stress Formulation in General Dynamic Thermoelasticity Problems Using Galerkin Finite Element*, Proc. CSME Forum 1990, Univ. of Toronto, Canada, June 3-9, 1990.

12- Eslami, M.R., Ahmadian, H, Ayatollahi, M.R., *Static and Dynamic Finite Element Solution of Plate and Shell of Revolution on Elastic Foundation*, Proceedings, ASME-PVP, Conf, Nashville, TN., June 17-21 1990.

13- Eslami, M.R., Alizadeh, S.H., *Galerkin Finite Element Formulation of Spherical Shells Under Non-Axisymmetric Loading*, Proceedings, ASME-PVP Con., Nashville, TN, June 17-21, 1990.

14- Eslami, M.R., Shariyat, M., *An Isoparametric Finite Element Solution of Shell of Revolution on Elastic Foundation*, Proceedings, Int. Conf. on Computational Science, Melbourne, Australia, 12-16 Aug., 1991, Pub. Springer Int.

15- Shakeri, M., Eslami, M.R., Babai, R., *Galerkin Finite Element of Cylindrical Shells Under Impact Loads*, Proceedings, Sixth Int. Conf. in Australia on Finite Element Method, Sydney, July 8-10, 1991.

16- Eslami, M.R., Ayatollahi, M.R., *Dynamic Analysis of Shell of Revolution by Modal Analysis*, Proceedings, ASME-PVP Conf., San Diego, CA, June 23-27, 1991.

17- Eslami, M.R., Shariyat, M., *The Primary and Secondary Stresses in Pressure Vessels*, Proceedings, ASME-PVP Conf., San Diego, CA, June 23- 27, 1991.

18- Eslami, M.R., Shariyat, M., *Elasto-Plastic Buckling of Cylindrical Shells*, Proceedings, ASME Joint European Conf. on Engineering System Design and Analysis, Istanbul Turkey, June 29-July 3, 1992.

19- Eslami, M.R., Shariyat, M., *A Variational Approach to Buckling of Cylindrical Shells*, Proceedings, 7th. Int. Conf. on Pressure Vessel Tech., Dusseldorf, Germany, May 31-June 5, 1992.

20- Eslami, M.R., *A Note on Finite Element of Coupled Thermoelasticity*, Proceedings, Int. Conf. on Engineering Application of Mech., Sharif University of Tech., Tehran Iran, June 9-12, 1992.

21- Eslami, M.R., Sajedi, A.R., Haghdoost, P., *Application of Weighted Residual Method to Shells*, Proceedings, Int. Conf. on Engineering Application of Mech., Sharif University of Tech., Tehran, Iran, June 9-12, 1992.

22- Eslami, M.R., Shakeri, M., Sedaghati, R., *Thermal Stress Waves in Cylindrical Shells*, Proceedings, ASME-PVP Conf., New Orleans, LA, June 21-25, 1992.

23- Eslami, M.R., Ziaii, A.R., *Thermal Buckling of Cylindrical Shells*, 3rd Conf. of Pressure Vess. & Boilers, Azarab Industries, 10-12 Shah., Arak 1371 (1992), (in Persian).

24- Shakeri, M., Eslami, M.R., Ghassaa, M., *A Review of Linear Shell Theories; Analysis of Cylindrical Shells Under Internal Pressure Shock*, 3rd Conf. of Pressure Vessel & Boiler, Azarab Ind., 10-12 Shah., 1371 (1992), (in Persian).

25- Eslami, M.R., Ghorbanpour, A., *Thermal Buckling of Ring and Stringer Stiffened Cylindrical Shell*, 3rd Conf of Pressure Vessel & Boiler, Azarab Ind. 10-12 Shah., 1371 (1992), (in Persian).

26- Shakeri, M., Eslami, M.R., Babai, R., *Elastic Analysis of Conical Shells Under Impact Loads*, Proceedings, Int. Congress on Computational Meth.in Engineering, School of Engineering, Shiraz University, Iran, May 3-6, 1993.

27- Eslami, M.R., Nakhaie-Jazar, G., *Series Solution of General 3-Body Problem*, Proc. ICNM II, Aug. 23-26, Beijing, China, 1993

28- Shakeri, M., Eslami, M.R., Ghassaa, M., *Cylindrical Shell Under Impact Loads Including Transverse Shear and Normal Stress*, Proceedings, 12th. Int. Conf. on Structural Mechanics in Reactor Tech. Stuttgart, Aug. 15-20, 1993, Germany.

29- Shakeri, M., Eslami, M.R., Ohadi, A.R., *Analysis of Cylindrical Shells Under Dynamic Load Including Transverse Shear; A Comparison of Different Theories*, Proceedings, First annual Conf., Iranian Society of Mech. Eng., 24-29 Bah., 1371 (1993), (in Persian).

30- Shakeri, M., Eslami, M.R., Yas, M.H., *Analysis of Cylindrical Shells Under Dynamic Load: Comparison of Different Theories*, Proceedings, First annual Conf., Iranian Society of Mech. Eng., 24-29 Bah., 1371 (1993), (in Persian).

31- *** (**Invited Lecture**) ***

Eslami, M.R., *A Review on Finite Element and Boundary Element Methods*, Proc. National Conf. on Manufacturing Methods, Tehran Polytechnic, Mehr, 1372 (1993), (in Persian).

32- Saffar-Avval, M., Damangir, E., Eslami, M.R., Sorooshe, A.A., *Finite Element Formulation of Blood Flow in Bifurcation of Femoral Artery to Predict Atherosclerosis Plaque Formation*, Proc. ASME-ESDA 1994 Conf. London.

33- Eslami, M.R., Shakeri, M., Yas, M., Ohadi, A., *The Influence of Transverse Shear Deformation and Normal Stress and Comparison of Different Theories*, Proc. ASME-ESDA 1994 Conf., London.

34- Shakeri, M., Eslami, M.R., Yas, M., *Analysis of Thin Spherical Shell Under Dynamic Load Involving Transverse Shear Deformation*, Proc. ASME-ESDA 1994 Conf., London.

35- Eslami, M.R., Bakhtiary-Nejad, F., Ghassemi, M.R., *Experimental Modal Analysis of Tail Vibration*, Proc., Vol.1, 2nd ISME Conf., Sharif Univ. of Tech., May 2-5, 1994, Tehran, (in Persian).

36- Eslami, M.R., Rafeeyan, M., *Thermal Buckling of Conical Shells*, Proc. Vol.1, 2nd ISME Conf., Sharif Univ., May 2-5, 1994, Tehran, (in Persian).

37- Eslami, M.R., Shakeri, M., Yas, M.H., *Analysis of Cylindrical Shells With Viscoelastic Layer*, Proc. Vol.2, 2nd ISME Conf., Sharif Univ., May 2-5, 1994, Tehran, (in Persian).

38- *** **(Keynote Speaker)*****

Eslami, M.R., Shakeri, M., Ohadi, A.R., " *Coupled Thermoelasticity of Shells* ", Proc. Thermal Stresses-95 Conf., Japan, June 4-7, 1995.

39- Shakeri, M., Eslami, M.R., Yas, M.H., " *Three Dimensional Free Vibration Analysis of Orthotropic Multiplier Cylindrical Shells* ", Proc. 3rd ISME Conf. Tehran Polytechnic, Spring 1995, (in Persian).

40- Shakeri, M., Eslami, M.R., Yas, M.H., " *Three Dimensional Elasticity Solution of Orthotropic Multiplier Cylindrical Shells Under Impulsive Load* ", Proc. 3rd ISME Conf. Tehran Polytechnic, Spring 1995, (in Persian).

41- Geramipanah, F., Eslami, M.R., Memarian, M, Ghodrati, H., " *A Three Dimensional Finite Element of Maxillofacial Prosthesis Patients* ", Proc.3rd ISME Conf., Tehran Polytechnic, Spring, 1995, (in Persian).

42- *** **Keynote Speaker** ***

Eslami, M.R., " *Stress Classification, A New Design Concept* ", Proc. 3rd ISME Conf., Tehran Polytechnic Spring, 1995, (in Persian).

43- Eslami, M.R., Shakeri, M., Shiari, B., " *Dynamic Analysis of Composite Shells of Revolution Under Blast Loads* ", Proc. Symposium on Shell Analysis, Gillan University, Rast, Iran, June, 1995, (in Persian).

44- Eslami, M. R., Rafeeyan, M., " *Thermal and Mechanical Buckling of Conical Shells* ", Proc. 8th Int. Conf.of Pressure Vessel Tech. Montreal, Canada, 1996.

45- Eslami, M.R., Shakeri, M., Shiari, B., " *Coupled Thermoelasticity of Composite Cylindrical Shells* ", Sub. ASME-ESDA96 Conf., France, July 1-4, 1996.

46- Yas, M.H., Shakeri, M., Eslami, M.R., " *Elasticity Solution For Laminated Orthotropic Cylindrical Shells Under Dynamic Local Patch Load* ", Sub., ASME-ESDA96, Conf. France, July 1-4, 1996.

47- Damangir, E., Mehdinejad, V., Marivani, M., Eslami, M.R., Saffar-Avval, M. " *Numerical Solution of Pulsatile Blood Flow in a Bifurcation With Elastic Wall* " Proc., ASME-ESDA96 Conf., France, July 1-4, 1996.

48- Eslami, M.R., Shariyat, M., Mirzazare, " *Cyclic Loading of Thick Cylinder of Isotropic Hardening* ", Proc. Int. ISME Conf., Univ. of Shiraz, May 1996.

- 49- Shakeri, M., Eslami, M.R., Yas, M.H., ” *Three Dimensional...* ”, Proc. Int. ISME Conf., Univ. of Shiraz, May 1996, (in Persian).
- 50- Shakeri, M., Eslami, M.R., Fariborz, S., Yas. M.H., ” *Analytical Elasticity Solution for Laminated Orthotropic Cylindrical Shell Under Impulse* ”, Proc. The Third Asian-Pacific Conference on Computational Mechanics (APCOM'96), Seoul, Korea, Sept.16-18, pp. 1591-1596, 1996
- 51- Shakeri, M., Eslami, M.R., Fariborz, S., Yas. M.H., ” *Three -Dimensional Vibration of Orthotropic and Cross-Ply Laminated Cylindrical Shells With Clamped Ends*, Proc. The Third Asian-Pacific Conference on Computational Mechanics (APCOM'96), Seoul, Korea, Sept.16-18, pp. 1647-1652, 1996
- 52- Eslami, M.R., Shakeri, M., Shiari, B., ” *Coupled Thermoelasticity of Composite Spherical Shells* ”, Proc., SMiRT 14, Aug.17-22, Lyon, France, 1997
- 53- Eslami, M.R., Shiari, B., Yousefzadeh, A., Eslami, H., ” *Thermal Stresses of Laminated Composite Plates and Shells* ”, Proc. Thermal Stress 97, Rochester, N.Y., 1997
- 54- Eslami, M.R., Yousefzadeh Naghdi, A., Shiari, B., *Thermo- elastic Analysis of Composite Beams Using Layer wise Theory*. 1st National Aeronautics & Astronautics Conf. Amirkabir Univ. Tech., Dec. 31-Jan1, 1997, (in Persian).
- 55- Eslami, M.R., Shiari, B., Yousefzadeh Naghdi, *Thermoelastic Analysis of composite Cylindrical Shells Based on Layerwise Theory* 1st National Aeronautics & Astronautics Conf. Amirkabir Univ. Tech., Dec.31-Jan1, 1997, (in Persian).
- 56- Eslami, M.R., Nayebi, A., ” *Analysis of Thermal and Mechanical Cyclic Loading of Beams Based on Nonlinear Kinematic Hardening*” ISME Annual Conf., May 1997, Tabriz, Iran, (in Persian).
- 57- Eslami, M.R., Yousefzadeh Naghdi, A., Shiari, B., ” *Dynamic Analysis of Thermal Stresses in Thick Multi layer Beams Using Layer wise Theory* ”, ISME Annual Conf., May 1997, Tabriz, Iran, (in Persian).
- 58- Yas, M.H., Shakeri, M., Eslami, M.R., ” ISME Annual Conf., May 1997, Tabriz, Iran, (in Persian).
- 59 - Eslami, M.R., Shahsiah, R., ” *Thermal Buckling of Imperfect Thin Cylindrical Shells* , Proc. ISME, Annual conf. Tehran May 1998, (in Persian).
- 60 - Eslami, M.R., Yousefzadeh Naghdi, A. , Shiari, B. ” *Static Analysis of Thermal Stresses in Thick Multi layer Plates Using Layer wise Theory* ”, ISME Annual Conf., May 1998, Tehran, Iran. (in Persian).
- 61 - Eslami, M.R., Rastegar-Agah, *Coupled Thermoelasticity of Composite Plates Using Third Order Equivalent Single Layer Theory* ” ISME Annual Conf., May 1998, Tehran, Iran, (in Persian).
- 62- Shakeri, M., Eslami, M.R., Yas, M.H., Kashani, M., ” *Dynamic Analysis of Laminated Orthotropic Hemispherical Shells*”, Proc. 3rd. Int. Conf. on Modern Practice in Stress and Vibration Analysis, Dublin, Ireland, Sept. 3-5, pp. 497-501, 1997.

63- Shakeri, M., Eslami, M.R., Alibiglu, A., *Dynamic Analysis of Thick Laminated Anisotropic Cylindrical Panel*, Under review, The 6th. Asian-Pacific Con. on Structural Eng. & Construction., Taipei, Taiwan, Jan. 14-16, pp. 719-725, 1998.

64- Eslami, M.R., Tehrani, P., *Two Dimensional Time Harmonic Thermoelasticity Analysis and Design by BEM Formulation*, Abstract submitted to 3rd World Conf. Integrated Design & Process Tech., Berlin, Germany, July 6-9, 1998.

65- Shakeri, M., Eslami, M.R., Alibiglu, A. *Elasticity Solution for Laminated Anisotropic Cylindrical Panel Under Impulse*, Proc. 1 st. Asian-Australian Conf. on Composite Materials (ACCM-1), October 7-9, Osaka, Japan, pp. 746-1 - 746-6, 1998.

66- Shakeri, M., Eslami, M.R., Alibiglu, A. *Dynamic Analysis of Orthotropic and Cross-Ply Thick Laminated Cylindrical Panels*, Proc. Int. Conf. Computational Structures Tech., Heriot-Watt Univ., Edinburgh, UK, Aug. 18-20, 1998.

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67- Shakeri, M., Eslami, M.R., and Alibiglu, A., *Three-Dimensional Vibration of Anisotropic Laminated Cylindrical Panel*, Proc. Integrated Design and Process Technology, Society of Design and Process Sciences, Vol. 3, Berlin, Germany, July, 1998.

68- Eslami, M.R., Tehrani, P., " *Propagation of Thermoelastic Waves in a Two Dimensional Domain*, Proc. 3rd. Int. Con. " Thermal Stresses 1999", June 13-17, 1999, Krowcow, Poland.

69- Hetnarski, R.B., Hector, Jr., L.G., Tehrani, P.H., and Eslami, M.R., *Thermal Stresses Due to Laser Pulse, Coupled Solution*, Proc. 3rd. Int. Con. " Thermal Stresses 1999", June 13-17, 1999, Kracow, Poland.

70- Eslami, H., Mizuno, M., and Eslami, M.R., *Thermal Postbuckling with Shear Deformation Effect of Composite Beams Using a 20 DOF*, Proc. 3rd. Int. Con. " Thermal Stresses 1999", June 13-17, 1999, Kracow, Poland.

71- Shakeri, M., Eslami, M.R., and Alibiglu, A., *Elasticity Solution for Thick Laminated Circular Cylindrical Panels Under Dynamic Patch Load*, Proc. 1st. Int. Conf. on Advances in Structural Eng. and Mech., Vol. 2, Aug. 23-25, Seoul, Korea, 1999.

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GENERAL PUBLICATIONS

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SOCIAL SERVICES

1 - Established the graduate program of mechanical engineering in Amirkabir University of Technology, 1973.

2 - President (2004-7), Board of Directors since 2000, Iranian Society of Mechanical Engineers (ISME).

3 - Director, Mahinieh Charity Clinic, Zarinnaal, Tehran. The clinic provides almost free of charge medical services.

4 - Member, Board of Directors, Mahmoodieh Charity Youth Keeping. The organization keeps about 30 boys (without parents) aged between 5-15.