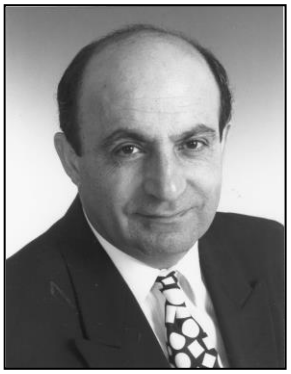
November 2025



CURRICULUM VITAE

DR. ISAAC ELISHAKOFF
Distinguished Research Professor

Fellow, European Academy of Sciences
Member, European Academy of Sciences and Arts,
Foreign Member, Georgian National Academy of Sciences,Full Member, Academy of Engineering, Georgia
Fellow, American Academy of Mechanics
Fellow, American Society of Mechanical Engineers,Fellow, Japan Society of Promotion of Science

DEPARTMENT OF OCEAN & MECHANICAL ENGINEERING
FLORIDA ATLANTIC UNIVERSITY
BOCA RATON, FLORIDA 33431-0991, USA

Place of Birth:	Kutaisi, Republic of Georgia, former U.S.S.R., Europe
Secondary, middle, and high schools:	Sukhumi First Georgian School named after Shota Rustaveli 1951-1962.
Degrees: BSc, MSc, and PhD	, Moscow Power Engineering Institute and State University, Moscow, Russia
Date of Immigration:	2 August 1972 (to Israel; citizen); 19 November 1989 (to USA, naturalized citizen).
Family Status:	Married; 2 children
Languages:	Hebrew, English, Georgian, Russian, German
Address (Office):	Dept. of Ocean & Mechanical Engineering, Florida Atlantic University, Boca Raton, FL 33431-0991, U.S.A. Tel: 561-297-2729; FAX: 561-297-3885.
Electronic Mail:	elishako@fau.edu

ACADEMIC DEGREES

B.Sc/M. Sc. Department of Dynamics and Strength of Machines, Moscow Power Engineering Institute and State University, Moscow, Russia, February 1968 (summa cum laude), (advisor: Academician V. V. Bolotin).

Ph.D. Department of Dynamics and Strength of Machines, Moscow Power Engineering Institute and State University, Moscow, Russia, May 1971, (advisor: Academician V. V. Bolotin).

ACADEMIC CAREER

- 3/1990 - present Professor of Ocean & Mechanical Engineering, Florida Atlantic University, Boca Raton, FL33431-0991. Courtesy appointment: Department of Mathematical Sciences
- 5,6/2025 Visiting Professor, University of L'Aquila, Italy

• 6/2024 Theodore von Karman Fellow, RWTH—Aachen University, Federal Republic of Germany.

•5/2015 Fellow of the Royal Academy of Engineering, Visiting Distinguished Fellow at University of Southampton, UK

•03/2014-03/2023 Visiting Distinguished Professor, Faculty of Civil Engineering, Technion—Israel Institute ofTechnology, Haifa, Israel

•12/2013-01/2014 Visiting Eminent Scholar, Hunan University, China, and Visiting Professor, National University of Defense Technology, Changsha, China

• 12/2010; 12/2009-1/2010: 5/2007 Visiting Eminent Scholar, Beijing University of Aeronautics and Astronautics, P.R. China.

• 5-8/2007 Visiting Professor, University Center, Ariel, Samaria, Israel.

• 12/06-2/07 Fellow of the Japan Society for Promotion of Science, University of Kyoto, Japan

• 6/2005 Visiting Professor, University of Rome "La Sapienza", Italy.

• 8/2000 Visiting W.T. Koiter Chair Professor, Delft University of Technology, the Netherlands.

• 6/2000 Visiting Professor, University of Catania, Italy.

• 12/1993 Appointed as Visiting Honorary Professor, La Trobe University, Melbourne, Australia.

• 12/1992 Fellow of Japan Society for Promotion of Science, University of Tokyo, Japan.

• 3/1992 Visiting Alberto Castigliano Distinguished Professor, University of Palermo, Italy.

• 6/1996, 12/1997 Fellow of the Florida-Israel Institute, Technion-Israel Institute of Technology.

• 7/1990; 8/1991 Visiting Professor, Department of Aerospace Eng., Delft University of Technology, 2629 HS Delft, The Netherlands.

• 8/1989-10/1995 Associate Director, Center for Applied Stochastics Research, Florida Atlantic University, Boca Raton, FL 33431-0991

• 2/1987 - 10/1987 Visiting Professor, Dept. Mechanical Eng., Naval Postgraduate School, Monterey, CA 93943

• 8/1986 - 1/1987 Visiting Henry J. Massman, Jr. Chair Professor, Dept. Civil Eng., Univ. Notre Dame, IN 46556

• 8/1985 - 5/1986 Visiting Frank M. Freimann Chair Professor, Dept. of Aerospace and Mechanical Eng., University of Notre Dame, IN 45556

• 5/1984 - 9/1989 Professor, Faculty of Aerospace Eng., Technion - Israel Institute of Technology, I.I.T., Haifa 32000, Israel

• 9/1983, 8/1984-9/1984 Fellow of STW - Foundation of Technical Sciences, the Netherlands

• 10/1979 - 4/1984 Associate Professor, Faculty of Aeronautical Eng., Technion - Israel Institute of Technology,Haifa 32000, Israel

• 9/1980 Dept. of Mechanical Engineering, M.I.T., visiting scientist

• 9/1979 - 8/1980 Visiting Associate Professor, Faculty of Aerospace Eng., Delft University of Technology, 2629 HS Delft, The Netherlands

• 10/1975 - 9/1979 Senior Lecturer, Faculty of Aeronautical Eng., Technion - Israel Institute of Technology, Haifa32000, Israel

• 7/1976- 9/976 Fellow of DAAD (Deutsche Akademische Austauschdienst):

Institut für Aeroelastik-DFVLR-GöttingenHochschule der Bundeswehr - München

Institute für Statik und Dynamik der Luft-und Raumfahrtkonstruktionen, Universität Stuttgart, Federal Republic of Germany

• 10/1974 - 9/1975 Senior Lecturer, Dept. of Mechanics, Technion - Israel Institute of Institute of Technology, Haifa32000, Israel

• 10/1972 - 9/1974 Lecturer, Dept. of Mechanics, Technion - Israel Institute of Technology, Haifa 32000, Israel

• 9/1971 - 2/1972 Lecturer, Dept. of Mathematical Analysis and Analytical Geometry, Abkhasian University, Sukhumi, Republic of Georgia.

• 9/1968 - 5/1971 Research Fellow and Assistant Lecturer, Dept. of Dynamics and Strength of Machinery, Moscow Power Engineering Institute, Moscow, Russia.

PRIZES AND HONORS

1. Gold medal, summa cum laude, high school, 1962

2. Summa cum laude, M. Sc., 1968

3. Special prize for new immigrant scientists (Baroness Bethsabée de Rothschild Foundation for the Advancement ofScience and Technology), 1973.

4. Frank M. Freimann Visiting Chair Professorship, Univ. of Notre Dame, 1985/86.

5. Henry J. Massman Jr. Visiting Chair Professorship, Univ. of Notre Dame, Fall Semester, 1986/87.

6. Fellow of the American Academy of Mechanics, 1991. ("For outstanding achievements and pioneering contributions in random vibrations".)

7. Visiting Castigliano Distinguished Professorship, University of Palermo, 1992.

8. Fellow of Japan Society for Promotion of Science, University of Tokyo, Japan 1992.
9. Special Medallions of the University of Notre Dame (1985) and of the University of Tokyo (1992).

10. ASME Distinguished Lectureship (1996-2002)

11. Visiting W.T. Koiter Chair Professorship, Delft University of Technology, 2000.

12. Visiting Professorship, University of "La Sapienza", Rome, Italy, 2005, 2010.

13. Fellow of the Japan Society for Promotion of Science, University of Kyoto, Japan. (2006 – 2007)

14. Visiting Eminent Scholar, Beijing University of Aeronautics and Astronautics, P.R. China. (2007, 2009, 2010)

15. ASME International Congress and Exposition, Lake Buena Vista, FL. Nov. 2009; special "Symposium on Stability, Structural Reliability, and Random Vibrations in Honor of Prof. Isaac Elishakoff" with 3 keynote lecturers and 18 contributed lectures by authors of 12 countries. (2009)

16. Foreign Member, Georgian National Academy of Sciences ("For seminal contributions to the theoretical and

applied mechanics") (2010).

17. Member, European Academy of Science and Arts (2011).

18. Fellow, ASME (2011)

19. Visiting Distinguished Fellow, Royal Academy of Engineering, United Kingdom (2015).

20. Scholar of the Year, FAU, 2016.

21. Worcester Reed Warner Medal in literature "For seminal contributions to the permanent literature of engineering research through highly praised books on probabilistic theory of structures,elastic stability, the stochastic finite element method, safety factors, and reliability of composite structures; and numerous breakthrough research papers over the past 40 years". ASME, 2016

(This medal was established in 1930 to honor a seminal contribution to the permanent literature in engineering.)

22. William B. Johnson Inter-Professional Founders Award "In recognition for a lifetime achievement of accomplishments in applied mechanics research and instruction which affect worldwide advancement of business, culture, and learning". Engineers Council, 2019.
23. Blaise Pascal Medal in Engineering, European Academy of Sciences, 2021.
24. Theodore von Karman Fellowship, University of Aachen, Federal Republic of Germany, 2024.
25. Masanobu Shinozuka Medal, ASCE " for seminal contributions to random vibrations, reliability, and nonlinear buckling simulation of shells."
26. J.S. Rao Medal "for great contributions to vibration engineering and technologies", India, 2025.

TEACHING EXPERIENCE

1968 - 1971 Moscow Power Engineering Institute, Dept of Dynamics and Strength of Machinery.
Assistant Lecturer and/or Lecturer in the following courses:
- Strength of Materials; Theory of Plates and Shells; Theory of Oscillations; Statistical Methods in Mechanics; Special Projects in Dynamics and Strength of Machines.

1971 - 1972 Sukhumi University, Dept. of Mathematical Analysis and Analytical Geometry.
Lecturer in the following courses: Mathematical Analysis I, Mathematical Analysis 2; Analytical Geometry; Numerical Methods in Analysis.

1972- 1975 Technion - I.I.T., Dept. of Mechanics
Lecturer in the following courses: Theory of Structures (Statics); Strength of Materials 1, Strength of Materials 2; Strength of Materials 12; Research Projects (elective course); Advanced Aeronautical Structures (elective course); Probabilistic Methods in the Theory of Elasticity (graduate course).

1975-1985, Technion - I.I.T., Faculty of Aeronautical Engineering

1987-1989 Lecturer in the following courses: Mechanics of Solids 1, Mechanics of Solids 2(undergraduate courses); Theory of Vibrations (undergraduate course); Stability and Load-Carrying Capacity of Aeronautical; Structures (undergraduate course); Research Projects (elective course); Seminar in Structures (alternative-elective course); Statistical Methods in Structures (joint graduate courseand elective course for undergraduate students); Random Vibration (graduate course); Vibrations of Thin-Walled Structures (graduate course); Theory of Stability of Structures (graduate course).

1979 - 1980 Delft University of Technology, Dept. of Aerospace Engineering,
Lecturer in the following course:
- Probabilistic Methods in the Theory of Structures, First Course for the Students of Aeronautical Engineering, Mechanical Engineering, and Mechanics (for graduate students andstaff members)

1985 - 1986 Department of Aerospace and Mechanical Engineering, University of Notre Dame

- Stability Theory of Structural Systems (for graduate students and staff members)
- Probabilistic Theory of structures (for graduate students and staff members)

1986 - 1987 Department of Civil Engineering, University of Notre Dame.
- Stability Theory of Structural Systems (for graduate students and staff members)

1986 - 1987 Department of Mechanical Engineering, Naval Postgraduate School.

- Mechanics of Solids II; Theory of Vibrations.

1989 – 2007 Department of Mechanical Engineering, Florida Atlantic University
- Applied Structural Reliability and Random Vibrations; Advanced Mechanical Vibrations; Elastic Stability; Undergraduate Mechanical Engineering Seminar; Advanced Dynamics of Nonlinear Systems; Design Against Uncertainty; Statics; Strength of Materials; Graduate Seminar on Recent Advances in Mechanical Engineering; Engineering Mathematics; Analytical Methods; Machine Design; Engineering Analysis; Statistics for Engineers; System Dynamics; Eigenvalue Problems in Engineering; "Safety Factors and Reliability".

2004-2009 Design for Homeland Safety and Security; Nanotubes and Structures Made of Functionally Graded Materials (FGM); Engineering Mathematics 2; Intermediate Algebra; Statics; Fundamentals of Engineering; Machine Design; System Dynamics; Advanced Mechanical Vibrations; Vibration Analysis and Synthesis.

2009 -present Department of Ocean & Mechanical Engineering, Florida Atlantic University: Machine Design; System Dynamics; Statics; Vibration of Beams, Plates, and Shells; Design Against Uncertainty; Vibration Synthesis and Analysis; Mechanical Vibrations; Intermediate Strength of Materials.

RESEARCH EXPERIENCE

a) RUSSIA

1. "Random vibrations of cylindrical shells enclosing an acoustic medium", sponsored by Central Aero-Hydrodynamical Institute, Moscow, 1968-1971 (coworker, with V. V. Bolotin et al).
2. "Probabilistic analysis of vibration of plates and shells in turbulent boundary layer fluctuations", sponsored by Central Aero-Hydrodynamical Institute, Moscow, 1970-1971 (coworker, with V. V. Bolotin et al).

b) REPUBLIC OF GEORGIA

3. "Distribution of natural frequencies in elastic bodies", Sukhumi Pedagogical Institute, Department of MathematicalAnalysis and Analytical Geometry, 1971 (principal investigator).

c) ISRAEL

4. "Random vibrations of plates in supersonic flow", Technion Research and Development Foundation, Project No. 140-133, 1972-1975 (principal investigator).
5. "Free and random vibrations of periodic structures", Technion research and Development Foundation, Project No. 140-153, 1973-1975 (principal investigator).
6. "Random vibrations of flat rectangular plates under arbitrary boundary conditions," Technion Research and Development foundation, Project No. 161-252, 1975-1978 (principal investigator).
7. "Vibration of edge-stiffened plates", Technion Research and Development Foundation Project No. 161-281, 1976-1978 (principal investigator).
8. "Vibrations of composite structures," Technion Research and Development Foundation, Project No. 161-273. 1975-1978 (co-principal investigator with Y. Stavsky).
9. "Impact buckling of structures with initial imperfections", Technion Research and Development Foundation, Project 161-305, 1978-1989 (principal investigator).
10. "Probabilistic methods in vibrations", sponsored by Israel Defense Ministry, 1974-1977 (principal

investigator).

11. "Probabilistic methods in nonlinear stability", sponsored by Israel Defense Ministry, 1977-1981 (principal investigator).
12. "Random imperfection sensitivity of shells", Project 161-387, 1979-1982, Fund of Promotion of Research at the Technion (principal investigator).
13. "Interaction of normal modes in random vibration problems", sponsored by the Israel Academy of Sciences and Humanities, Basic Research Foundation, 1981-1982 (principal investigator).
14. "Simulation of an initial imperfection date bank", Project 161-433, 1983-1985, Fund of Promotion of Research of the Technion (principal investigator).

15. "Application of computerized symbolic algebra for solution of deterministic and stochastic problems", Research Foundation, Naval Postgraduate School, 1987 (principal investigator) ($52,000).
16. "Convex Uncertainty Modeling in Applied Mechanics", Technion-Niedersachsen (Federal Republic of Germany) Fund, Jan. 1989 - Jan. 1990 (with Y. Ben-Haim), ($ 87,000).

d) U.S.A.

17. "Response of Structures and Equipment to Acoustic Excitations Modeled as Convecting Random Pressure Fields or Pressure Fields with Bounded Uncertainties", NASA Kennedy Space Center, May 1990 - April 1992, Y.K. Lin and I. Elishakoff, principal investigators ($178,658) (Estimate of percentage involvement of I.E. - 75%)
18. "A New Approach - Convexity Modeling - to and "Old" Research Topic-Buckling of Viscoelastic and Nonlinear Elastic Structures with Uncertain Imperfections", National Science Foundation, June 1990 - May 1991, (principal investigator), ($25,000).
19. "Fundamental Problems in Probabilistic and Convex Analysis of Uncertain Initial Imperfections in Nonlinear Buckling of Shells for Theoretical Derivation of Knockdown Factors," NASA Langley Research Center, 7/15/1991 - 5/31/95, (principal investigator), ($ 171,276).
20. "Nonlinear Response of Acoustically Excited Structures by Combined Probabilistic and Convex Modeling by Improved Finite Element Method", (June 1992-May 1994, ($120,478) (I. Elishakoff and Y. K. Lin, principal investigators, estimate of percentage involvement of I.E. - 75%).
21. "Numerical Simulation of Conditional Stochastic Fields for Geotechnical Applications," National Center for Earthquake Engineering Research, 10/1/92-8/31/94, (principal investigator), ($135,000).
22. "Vibration and Buckling of Viscoelastic Structures with Geometric and Material Uncertainties-Convex Modeling", National Science Foundation, 2/15/93-12/31/95, (principal investigator), $100,999.
23. "Non-Classical Problems in Buckling of Structures", NASA Langley Research Center, 8/1/1995-7/31/1998 (principal investigator), $150,000.
24. “Fundamental Research on Computerized Symbolic Solutions in Mechanics, Vibrations and Buckling,” NSF, $30,000, 6/1/1999-5/31/2000.
25. “Novel Problems in Computational Stochastic Mechanics: Safety Factor and Reliability” (principal investigator),” $25,000, NASA J. Glenn Research Center, 5/10/2000-5/09/2001.
26. “Novel Stochastic Finite Element Method”, NASA Langley Research Center, (principal investigator), $33,095, 5/14/2001-11/13/2001.
27. **“**Bio-inspired optimization to investigate the role of structural flexibility in improving the propulsive characteristics of fish-like swimming”, NSF, Co-PI, 2020-2024, $ (with Dr. S. Verma, PI), $504,858, pending.
28. "Engaging the Public in Capstone Design and Undergraduate Research in Multiple Settings – An Informal Cyber Learning Experience Driven by Student Ambassadors", NSF, Senior Personnel (S. Batalama, PI), $2,110,071, pending.
29. “Engaging the Public and Secondary Teachers in Engineering Senior Design Experience: – An Informal Cyber-Learning Experience Driven by Senior Engineering Undergraduate Students”, NSF, Senior personnel, (s. Batalama, PI).$2,670,681.

ADMINISTRATIVE APPOINTMENTS

1. Representative of the Department of Dynamics and Strength of Machines in the University Library Committee, Moscow Energetics Institute, Jan 1970-May 1971.

2. Student Adviser, Dept. of Mathematical Analysis and Analytical Geometry, Sukhumi University, Sept. 1971-Feb. 1972.

3. Consultant of the Committee for Admission and Knowledge Evaluation of the Students Emigrating from the U.S.S.R., Technion. Dept. of Mechanical Engineering, Oct. 1973-Sept. 1974.

4. Member of Committee for Graduate Studies, Dept. of Mechanics, Technion, Oct. 1974-Dec. 1975.

5. Stand-in for the Representative of the Dept. of Mechanics on the Graduate Studies Council of the Technion, Sept. 1975-Jan. 1976.

6. Member of the Technion's Graduate Studies Committee in Applied Mathematics, May 1975-Dec. 1977.

7. Member of the Committee on Curricula, Technion, Dept. of Aeronautical Engineering, Jan. 1976 - Sept. 1978.

8. Head of Departmental Subcommittee on Theory of Probability, 1977.

9. Secretary of Committee on Curricula, Technion, Dept. of Aeronautical Engineering, Jan. 1978 - Sept. 1978.

10. Student Adviser, Dept. of Aeronautical Engineering, Technion, Oct. 1975 - August 1979, Sept. 1980 - Dec. 1980, Jan. 1983 - Sept. 1985, Oct. 1987 - Sept. 1989.

11. Coordinator of the Structures Group Seminar, Technion, Dept. of Aeronautical Engineering, March 1976 - Aug. 1979.

12. Coordinator, Faculty Seminar, Oct. 1978 - Sept. 1979.

13. Senior Student Adviser, Dept. of Aeronautical engineering, Jan. 1978 - Aug. 1979.

14. Representative of the Technion in the ISTAM (Israel Society of Theoretical and Applied Mechanics), July 1978 - Aug. 1979.

15. Coordinator of Undergraduate Studies, Dept. of Aeronautical Engineering, Jan. 1981 - Dec. 1982.

16. Representative of the Dept. of Aeronautical Engineering in the Technion Senate, Jan. 1981 - Dec. 1982.

17. Head of the Dept. of Aeronautical Engineering Curricula Committee, Jan. 1981 - Dec. 1982.

18. Member of the Dept. of Aeronautical Engineering Curricula Committee, Jan. 1983 - Dec. 1983.

19. Coordinator, Seminar of Aeronautical Structures, Nov. 1983 - Sept. 1985.

20. Coordinator of the Departmental Technical Reports, Nov. 1983 - Dec. 1984.

21. Member of Department Promotion Preparation Committee, May 1984 - Sept. 1989.

22. Member of Technion Senate - May 1984 - Sept. 1989.

23. Member of Subcommittee on Structures - Nov. 1984 - Feb. 1985.

24. Senior Student Advisor - Jan. 1985 - Sept. 1985.

25. Member of Technion Senate Committee for Lady Davis Prizes (as well as Marcel Klein, Dudu Ben Aaharon and Landau Prizes) - Oct. 1984 - Sept. 1985.

26. Member of the Technion's Graduate Studies Committee in Reliability and Quality Assurance - Jan. 1985 - Sept. 1985.

27. Coordinator of Seminar Structures, Jan. 1988 - Sept. 1989.

28. Representative of the Faculty of Aeronautical Eng. on the Continuing Education Committee, Jan. 1988 - Dec. 1988.

29. Member of the Faculty Planning Committee, Jan. 1988 - Dec. 1988.

30. Representative of the Faculty of Aeronautical Eng. in the Technion's Graduate Studies Committee, Reliability and Quality Assurance, Jan. 1988 - Dec. 1988.

31. Member of Departmental Engineering Curricula Committee, Jan. 1989 - Sept. 1989.

32. Member of Technion's Tenure and Senior Promotions Senate's Preparatory Committee, Jan. 1989 - Sept. 1989.

33. Member of Graduate Studies Committee, Dept. Mechanical Engineering, Florida Atlantic University, Oct. 1989 – May 2009.

34. Member of the Faculty Search Committee, (Nov. 1989-June 1990).

35. Chairman of the Faculty Search Committee in Engineering Management, (April 1990-present).

36. Chairman of the Department's Chairman Nomination Committee, 1990.

37. Member, FAU Faculty Council (May 2000-June 2001).

38. University Sabbaticals Committee (2002-2003).

39. Member, Departmental Resource Committee (2003-2005).

40. Library Representative (May 1995-August 2007).

41. Member of Goal 3 University Committee of the Strategic Planning Committee (2005-2006).

42. Member, Academic Committee (2006-2008).

43. Member, ABET committee (2006-2008).

44. Member, Core Curriculum Committee (2006-2008).

45. Member, Advisory Board of the Florida Israel Institute (2004-2009).

46. Member, College Mathematics Committee (2006-2017).

47. Member, University Jewish Studies Committee (2007-2017).

48. Member, Undergraduate Studies Committee, Department of Ocean, and Mechanical Engineering, (2009-2010).

49. Member, Graduate Studies Committee, Department of Ocean, and Mechanical Engineering (2010 – 2011).

50. Member, Research Committee, Department of Ocean, and Mechanical Engineering (2011-present).

51. Member, Research Committee, College of Engineering and Computer Science (2011-2018).

52. Member, Undergraduate Studies Committee, Department of Ocean, and Mechanical Engineering (2012-2014).

53. Member, Resources Committee, Department of Ocean, and Mechanical Engineering (2014-2020).

54. Member, Graduate Studies Committee, Department of Ocean, and Mechanical Engineering (2014-2019).

55. Member, University Committee on Sabbaticals, Fall 2015.

56. SPE (sustainable Performance Evaluation) Committee Member, Spring 2019.

57. College policy and development committee (2020—2021).

58. College PACA (Presidential Award) committee (2024).

59. Departmental Undergraduate Committee (August 2024-present).

PRESENTATION OF PAPERS AT NATIONAL AND INTERNATIONAL CONFERENCESI

RUSSIA

1. 5th All-Union Conference on Structural Mechanics, November 1968, Tbilisi; Bolotin, V. V., Elishakoff, I., Moskalenko, V. and Sharii, N., "Investigation of the random vibration of stiffened shells containing acoustic media".
2. Conference of Scientific-Technological Society of Energetics, Subsection of Dynamics and Strength of Machines, Moscow, 1970 (see Ref. B.2).

3. 8th All-Union Conference on Acoustics, Leningrad, February 1971; Elishakoff, I., "On the response of shallow thin shells to the random excitations".

4. 3rd All- Union Conference on Probabilistic Methods in Mechanics; Vil'nius, July 1971 (see Ref. B.5).

5. Conference on Mechanical Vibration, Kiev, July 1971; Elishakoff, I., "Method of Integral estimations in random vibration problems".

6. 8th All-Union Conference on Plates and Shells, Rostov, September 1971. I. Elishakoff, "Random vibrations of circular cylindrical shell enclosing an acoustic medium".

ISRAEL

7. 20th Israel Conference on Theoretical and Applied Mechanics, Tel-Aviv, April 1973 (see Ref. B.9).

8. 8th Israel Conference on Mechanical Engineering, Haifa, September 1974 (see Ref. B. 11).

9. 17th Israel Annual Conference on Aviation and Astronautics, Haifa, May 1975 (see Ref.

10. 9th Israel Conference on Mechanical Engineering, Haifa, July 1975 (see Ref. B15).

11. 20th Israel Annual Conference on Aviation and Astronautics, March 1978. a) see Ref. B.23; b) see Ref. B.21, c) I. Elishakoff, "Stability of imperfect nonlinear structures".

12. 12th Israel Conference on Mechanical Engineering, Haifa, July 1978 (see Ref. B. 28).

13. 25th Israel Annual Conference on Aviation and Astronautics, February 1983. a) (see Ref. B. 49), b) Elishakoff, I., and Johann Arbocz, "Reliability of Axially Compressed Cylindrical Shells with General Nonsymmetric Imperfections".

14. Annual Conference of Israel Association of Statistics, May 1983, I. Elishakoff "Application of Random Fields to Reliability of Structures".

15. 17th Israel Conference on Mechanical Engineering, Tel-Aviv, July 1983, I. Elishakoff and Eliezer Lubliner, "Influence of Axial Compression on Random Vibration of Cylindrical Shells", presented by Eliezer Lubliner.

16. 26th Israel Annual Conference on Aviation and Astronautics, February 1984. a) See Ref. B.48, b) See Ref. B.63, c) Eliezer Lubliner and I. Elishakoff, "Random Vibration of System with Finitely Many Degrees of Freedom and Several Coalescent Natural Frequencies".

17. 27th Israel Annual Conference on Aviation and Astronautics, February 1985. I. Elishakoff and A.M. Hasofer, "Exact versus approximate evaluation of structural reliability".

18. 22nd Israel Conference on Mechanical Engineering, Beer Sheva, June 1988. a) see Ref. B.59, b) see Ref. B.85, c) see Ref. B.98, d) I. Elishakoff, G. Cederbaum and L. Librescu, "Random vibration of panels made of composite materials.

INTERNATIONAL CONFERENCES

19. 8th International Congress on Acoustics, London, July 1974 (see Ref. B. 28).

20. 6th International Conference on Stochastic Processes and Their Applications, Tel-Aviv, June 1976 (see Ref. B. 18).

21. 14th International Congress on Theoretical and Applied Mechanics, Delft, Sept. 1976 (see Ref. B.17).

22. 9th International Congress on Acoustics, Madrid, July 1977, Elishakoff, I., “Some problems in the free and random vibrations of structures".

23. Eighth U.S. National Congress on Applied Mechanics, June 1978 (see Ref. B.22).

24. Joint ASME-CSME Applied Mechanics, Fluids Engineering and Bioengineering

Conference, Niagara Falls, June 1979 (see Ref. B. 26, presented by Stephen H. Crandall).

25. Euromech Colloquium No. 128 on "Stability, Buckling and Post-buckling Behavior-Foundations and Analysis", Delft, March-April 1980, I. Elishakoff and J. Arbocz, "Random buckling of shells", (see Ref.B.32).

26. International Conference on Recent Advances in Structural Dynamics, Southampton, July 1980 (see Ref. B.31).

27. 15th International Congress on Theoretical and Applied Mechanics, Toronto, August 1980, Elishakoff, I. and Arbocz, J., "Buckling of shells with random imperfections".

28. 7th International Congress on Experimental Stress Analysis, Haifa, August 1982 (see Ref. B. 36, presented by W.D. Verduyn).

29. 4th International Conference on Applications of Probability and Statistics in Soil and Structural Engineering, Florence, Italy, June 1983 (see Ref. C. 47).

30. Second International Conference on Recent Advances in Structural Dynamics, Southampton, April 1984 (see Ref. C.46).

31. 16th International Congress on Theoretical and Applied Mechanics, Lynggly, August 1984; Elishakoff, I., "Probabilistic Methods in Buckling and Vibration".

32. 2nd International Symposium on Aeroelasticity and Structural Dynamics, Aachen April 1985 See Ref. C. 59).

33. 19th Midwestern Mechanics Conference, Columbus, Ohio, September 1985, Elishakoff, I., "Influence of Shear Deformation and Rotary Inertia on Free Vibration of Structures by Modified Bolotin Method".

34. 10th Biennial ASME Design Engineering Division Conference and Exhibit onMechanical Vibration and Noise, September 1985, Cincinnati, Ohio (see Ref C.52).

35. 22nd Annual Meeting of the Society of Engineering Science, October 1985, College Station, Pennsylvania (see Ref. C. 69).

36. ASME Winter Annual Meeting, Miami, Florida, November 1985 (see Ref. C.58).

37. AIAA/ASME/ASCE/AHS 28th Structures, Structural Dynamics and MaterialsConference, San Antonio, Texas, May 1986. I. Elishakoff and J. Arbocz, "Probabilistic Way to Design Imperfection-Sensitive Shells".

38. 10th U.S. National Congress on Theoretical and Applied Mechanics, Austin, Texas, June 1986 (see Ref. C. 72).

23rd An York (see Ref. C.53).

39. First World Congress of Computational Mechanics, September 1986, University of Texas, Austin, (see Ref. C.64) (presented by Margareta Rehak).

40. Winter Annual Meeting, ASME Anaheim, California, December 1986, I. Elishakoff, "Some Recent Results on Linear and Non-Linear Random Vibrations".

41. AIAA Dynamics Specialists Conference, Monterey, California, April 1987 (see Ref. C.71).

42. ASCE Mechanics Division Specialty Conference, State University of New York, Buffalo, May 1987 (see Ref. C.78, presented by Billie F. Spencer, Jr.).

43. 20th Midwestern Mechanics Conference, Purdue University, August 1987, (see Refs. C. 67 and B. 87).

44. 24th Annual Meeting of the Society of Engineering Science, University of Utah, Salt Lake City, September 1987 (see Ref. C.92).

45. 3rd International Conference on Recent Advances in Structural Dynamics, Southampton, July 1988. a) see Ref. C. 88; b) see Ref. C. 95.

46. 17th International Congress on Theoretical and Applied Mechanics, Grenoble, August 1988. a) see Ref. C.88; b) see Ref. C.95.

47. International Congress of Aeronautical Sciences, Jerusalem, August 1988: a) I. Elishakoff, G. Cederbaum and L. Librescu, "Random Vibrations of Composite Shells", (presented by G. Cederbaum); b) see Ref. C.100.

48. Winter Annual Meeting, ASME, Dec. 1989, San Francisco, see B.105 and B. 106.

49. AIAA/ASME/ASCE/AHS/ASC 31st Structures, Structural Dynamics, and Materials Conference, Long Beach, April 1990 (see Ref. C.107) (Presented by L. Librescu).

50. 31st Israel Conference on Aeronautics and Astronautics, Haifa, 1990, G. Cederbaum, I. Elishakoff and L. Librescu, "Random Vibration of Composite Plates" (presented by G. Cederbaum).

51. 2nd International Conference on Stochastic Structural Dynamics, Boca Raton, May 1990. "Convex Models of Uncertainty in Dynamic Buckling of Shells" (Y. Ben-Haim and I. Elishakoff).

52. Winter Annual Meeting, ASME, Dec. 1990, Dallas; see C.102, C.112, C.113, Also: Elishakoff, I., "Random Imperfection Sensitivity of Structures".

53. AIAA/ASME/ASCE/AHS/ASC 32nd Structures, Structural Dynamics, and Materials
54. Annual Meeting of the Society of Mechanical Science, August 1986, Buffalo, New

Conference, Baltimore, April 1991, Y. Ben-Haim, and I. Elishakoff, “Response of Vehicles on Uncertain Terrain Analyzed Deterministically".

55. Sixth International Conference on Applications of Statistics and Probability in Civil Engineering, Mexico, June 1991 (see C.118, C.119 and C.120).

56. 13th Biennial Conference on Mechanical Vibration and Noise, Miami, FL, Sept. 1991.

57. Winter Annual Meeting, ASME, Dec. 1991, Atlanta; see C.109, C.126 and C.129.

58. AIAA/ASME/ASCE/AHS/ASC 33rd Structures, Structural Dynamics and Materials Conference, Dallas, TX, April 1992, see C.127 and C.128.

59. 18th International Congress on Theoretical and Applied Mechanics, Haifa, August 1992, "Optimization and Anti-Optimization of Structures: Probability, Convexity or Both?”

60. Joint F.A.U. - University of Federal Armed Forces/Hamburg/F.R.G. Conference, Boca Raton, FL, September 1992. I. Elishakoff and G.Q. Cai: "Nonlinear Buckling via Stochastic and Non-Stochastic, Convex Models" (presented by G. Q. Cai); I. Elishakoff and Y. Li, " Combined Effect of the Thickness Variation and Axisymmetric Initial Imperfections on Buckling of Shells" (presented by Y. Li).

61. Winter Annual Meeting, ASME, Nov. 1992, Anaheim; see C.135 and C.136.

62. AIAA/ASME/ASCE/AHS/ASC 34th Structures, Structural Dynamics and Materials Conference, La Jolla, CA, April 1993, see. C140 (presented by Y. Ari-Gur).

63. 6th International Conference on Structural Safety and Reliability, Innsbruck, Austria, Aug. 1993, See C. 163 and C. 164.

64. Winter Annual Meeting, ASME, Nov. 1993, New Orleans; see C. 142, C.143, C.144.

65. AIAA/ASME/ASCE/AHS/ASC 35th Structures, Structural Dynamics and Materials Conference, Hilton Head, SC, April 1994, see C. 152.

66. National Conference on Noise Control Engineering, Ft. Lauderdale, FL, May 1994, see C. 153, C.154.

67. International Conference on Vibration Engineering (ICVE'94), Beijing, China, June 1994, "Finite Element Method for Stochastic Structures".

68. Winter Annual Meeting, ASME, Nov. 1994. see C.

69. Third International Conference on Stochastic Structural Dynamics, Puerto Rico, Jan. 1995 (5 lectures).

70. Seventh International Conference on Applications of Statistics and Probability, Paris,

France, July 1995.

71. Winter Annual Meeting, ASME, Nov. 1995, San Francisco; see C.

72. International Conference on Uncertain Structures, March 1996, Miami, see C.222, C.223.

73. ASME Congress and Exhibition, Nov. 1996, see C.213.

74. ASME Congress and Exhibition, Nov. 1997, see C.215.

75. AIAA/ASME/ASCE/AHS/ASC 38th Structures, Structural Dynamics Conference, Kissimmee, 1997, see C. 229.

76. AIAA/ASME/ASCE/AMS/ASC 40th Structures, Structural Dynamics Conference, St. Louis, 1999, see C.230.

77. ASME Congress and Exhibition, Nov. 1999, Atlanta, GA, C. 262.

78. AIAA/ASME/ASCE/AMS/ASC 41st Structures, Structural Dynamics Conference, Atlanta, GA, see C. 244.

79. International Conference on Applications of Theory of Probability and Statistics, Sydney, Australia, Dec. 1999, see C. 240.

80. Euromech Colloquium 413 on Stochastics Structural Dynamics, Palermo, Italy, June 2000 see C. 267.

81. International Conference on the Monte Carlo Methods, June 2000, see C. 274

82. ASME Congress and Exhibition, Nov. 2000, Orlando, FL, C.255.

83. AIAA/ASME/ASCE/AMS/ASC 42nd Structures, Structural Dynamics Conference, Seattle, WA, see C. 279

84. ASME Congress and Exhibition, Nov. 2001, New York, N.Y., see C. 274.

85. ASME Congress and Exhibition, Nov. 2002, New Orleans "Some Paradoxes Associated with So-Called Follower Forces".

86. Sixth International Conference on Sandwich Structures, Fort Lauderdale, April 2003, "Some Deterministic and Stochastic Problems for Sandwich Structures" (with S. Lacquaniti and R. Santoro).

87. Israel Annual Conference in Mechanical Engineering, Haifa, May 2003, "Safety Factors and Reliability: Friends or Foes?"

88. AIMETA Congress in Theoretical and Applied Mechanics, Ferrara, Italy, Sept. 2003, see

C.295.

89. ASME Congress and Exhibition, Nov. 2003, Washington D.C., “Stability of Functionally Graded Column”.

90. ASME Congress and Exhibition, Nov. 2004, “Paradoxes Arising in Non-conservative Systems”.

91. AIAA SDM Meeting, Houston, TX, Apr. 2005, “Some Researches Inspired by J.H. Starnes, Jr.”.
92. ASME Congress and Exhibition, Nov. 2009, Lake Buena Vista, FL, “Triple Walled Carbon Nanotubes: Vibrations and Buckling.”
93. ASME Congress and Exhibition, Nov. 2010, Vancouver, “Identification of Fixed-Free Continuous Single-Walled Carbon Nanotube Based Mass Sensor.”
94. ASME Congress and Exhibition, Nov. 20101, Denver, Keynote lecture,” Safety factor from Hammurabi to Present”; contributed lecture “Resolution of 20th Century Conundrum in Theory of Elastic Stability.”
95. Stocahstics-2012 Conference, Ustica, Sicily, Italy, June 2012, “extension of the Anh--Di Paola Stochastic Linearization Technique.”
96. ICOSSAR 2013, International conference on Structural safety and Reliability, New York, 2013, 2 contributed lectures.
97. Challamel N., Hache F., Elishakoff I. and Wang C.M., Buckling and vibrations of lattice plates using nonlocal elasticity, 2016 ASCE Conference, October 25-27 2016, Metz, France.
98. ICOSSAR, International Conference on Structural Safety and Reliability, General theory of uncertain structures, Vienna, Aug. 2017.
99. IMECE--International Mechanical Engineering Conference, “Who developed the so-calledTimoshenko beam theory,” Tampa, November, 2017.
100. IMECE- International Mechanical Engineering Conference,” Stress gradient basedasymptotic theories of Uflyand-Mindlin plates,” Pittsburgh, November 2018.
101. IMECE- International Mechanical Engineering Conference, “Rigorous implementation ofthe Galerkin method for stepped structures,” Pittsburgh, November 2018.
102. ASME’s IMECE, “Flutter of a Beam in a Supersonic Flow: No Need in Full Timoshenko-Ehrenfest Equations,” Virtual Conference, Online, November 16 – 19, 2020.
103. ASME’s IMECE, 2023 Richard Bachoo and Elishakoff, I., “Random vibrations of laminated planar frames,” New Orleans, November 2023.
104. ASME IMECE, 2024 Richard Bachoo and Elishakoff, I., “Random vibration of the point-driven portal and multi-bay planar frames,” November, Portland, 2024.
105. Keita L., Elishakoff I., Challamel N. and Picandet V., Effect of boundary conditions on buckling of biperiodic elastic columns, 2025 EMI - ASCE Conference, May 27-30 2025, Anaheim, California, USA.
106. Keita L., Elishakoff I., Challamel N. and Picandet V., Instability of a biperodic column under axial load, Congrès Français de Mécanique, 25 août 2025 – 29 août 2025, Metz, France.

INVITED PAPERS

107. IUTAM Symposium on Stochastic Problems in Dynamics, Southampton, July 1976 (see Ref. C.20).

108. International Conference on Buckling of Shells in Offshore Structures, London, April 1981 (see Ref. C.34, presented by J. Arbocz).

109. 2nd IUTAM Symposium on Stability in the Mechanics of Continua, Nümbrecht, West Germany, September 1981 (see Ref. C.35).

110. EUROMECH Colloquium No. 155 on "Reliability Theory of Structural Engineering Systems", Lyngby, Denmark, June 1982 See Ref. C.40).

111. IUTAM Symposium on Collapse: The Buckling of Structures in Theory and Practice, London, August-September 1982 (see Ref. C.39).

112. Conference on Vibration Theory, Oberwolfach, Federal Republic Germany, Sept. 1982, I. Elishakoff, "Free and random vibrations of clamped plates".

113. International Centre for Mechanical Sciences, The Timoshenko Session, "Structural Identification and Parameter Estimation", 4 lectures on random vibration of elastic structures, Udine, Italy, September 1982.

114. IUTAM Symposium on Probabilistic Methods in Mechanics (in honor of Wallodi Weibull), Stockholm, June 1984 (see Ref. C.50).

115. Conference on Nonlinear and Random Vibrations, Oberwolfach, Federal Republic of Germany, Sept. 1986, I. Elishakoff, "Deterministic Vibrational Imperfection-Sensitivity".

116. EUROMECH Colloquium No. 219 on "Refined Dynamical Theories of Beams, Plates and Shells and Their Applications", Federal Republic of Germany, Sept. 1986 (see Ref. C.65).

117. International Centre for Mechanical Science, "Stochastic Analysis and Estimation of Mechanical Systems", (see Refs. C.77, C.78, B.79, C.80), Udine, Italy.

118. IUTAM Symposium on "Nonlinear Stochastic Dynamics Engineering Systems", Innsbruck, Austria, June 1987 (see Ref. C.86).

119. 24th Annual Meeting of the Society of Engineering Science, University of Utah, Salt Lake City, September 1987 (see Ref. C.92).

120. Workshop on Analysis, Design and Testing of Structures Subject to Thermal and Acoustic Loads, Southampton, July 1988. I. Elishakoff, "Some Initial Thoughts on the Analysis, Design and Testing of Nonlinear Structures-Monte Carlo Approach".

121. Symposium on Stochastic Structural Dynamics, University of Illinois at Urbana-Champaign, Oct. - Nov. 1988. Y. Ben-Haim and I. Elishakoff, "Non-Probabilistic Methods in Shell Buckling with uncertainty".

122. EUROMECH Colloquium No. 250 on Stochastic Structural Dynamics under Nonlinear Conditions, Como, Italy, June 1989, see Ref. C.102.

123. 8th International Conference on Modal Analysis, Orlando, Florida, see Ref. C.109.

124. International Symposium on Eigenvalue Problems in Natural Sciences, Oberwolfach-Walke, Federal Republic of Germany, "Some Questions in Engineering Eigenvalue Problems", Feb. 1990.

125. International Centre for Mechanical Sciences, Udine, Italy, July 1990; five lectures on the "General Principles of Reliability and Their Applications in Structures and Mechanics of Solids".

126. IUTAM Symposium on Nonlinear Stochastic Mechanics, Torino, Italy, July 1991. I. Elishakoff and R. Zhang:" Comparison of New Stochastic Linearization Methods".

127. Workshop on Composite Aerospace Structures in Severe Environments. Southampton, England, July 1991, "Random Vibrations and Interior Noise in Composite Systems (Cylindrical Shell-Sound Insolation Layers-Acoustic Medium)".

128. Office of Naval Research Workshop on Underwater Explosion Effects on Structures and Shock Mitigation, University of Maryland, Sept. 1992, "Modern Approaches of Treating Uncertainties in Dynamic Buckling of Structures Subjected to Impact".

129. IUTAM Symposium on Probabilistic Structural Mechanics: Advances in Structural Reliability Methods, San Antonio, June 1993, I. Elishakoff and G.Q. Cai, "Partial Linearization in Nonlinear Random Vibration Analysis".

130. International Conference on Structural Safety and Reliability, Innsbruck, Austria, 1993. See C. 156 and C. 157.

131. International Symposium on Nonlinear Dynamics and Stochastic Mechanics, Waterloo, Canada, Aug-September 1993 (see C.161).

132. International Forum for Safety Engineering and Science, Tokyo, April 1994, I. Elishakoff, "Essay on Uncertainties in Structures".

133. International Workshop on Uncertainty, Lambrecht, Federal Republic of Germany, 1996, see C.216.

134. International Centre for Mechanical Sciences, Udine, 1997, see C.234-C.237.

135. Training Workshop on Nondeterministic Approaches and Their Potential for Future Aerospace Systems, NASA Langley Research Center, 2001, “Some Topics in Uncertainty Analysis”.

136. International Centre for Mechanical Sciences, 2001, see C. 292.

137. Arnold Kerr Anniversary Symposium, Newmark, Delaware, 2004.

138. International Conference on Structural Safety and Reliability, Rome, Italy, July 2005, See C. 314 and C.315.

139. International Center for Mechanical Sciences, Udine, Italy, 2005. See C. 329.

140. NSF Workshop on Reliable Engineering Computing, Savannah, GA, Feb. 2006.

141. CISM, “Non-Deterministic Mechanics”, 7 lectures, Udine, Italy, May 2011.

142. ISIPTA’13, Eighth International Symposium of Imprecise Probability: Theories and Applications, University of Technology, Compiegne, France, July 2013.

143. Conference in Analysis in Honor of Prof. Yoram Sagher, Florida Atlantic University, Boca Raton, July 2015.

144. European Mechanics Symposium 626: Mechanics of High-Contrast Elastic Composites, Keele, England, September 2021, “ Vibrations and supersonic flutter of high-contrast beams”.

KEY-NOTE OR PLENARY LECTURES

145. EUROMECH Colloquium No. 168 on Modal Analysis and Applications, Manchester, England, June 1983, "Modal Analysis in Random Vibrations of Structures".

146. Second National Congress on Theoretical and Applied Mechanics, Athens, Greece, July 1989, "Stochastic Imperfection Sensitivity of Structures".

147. Fourth International Conference on Recent Advances in Structural Dynamics, Southampton, England, July 1991, "Convex Versus Probabilistic Models of Uncertainty in Structural Dynamics".

148. Conference "Engegneria Sismica in Italia", Palermo, Italy, September 1991, "Convex, Probabilistic and Fuzzy Modeling in Earthquake Engineering".

149. V Symposium on Dynamic Problems in Mechanics, Santo Amaro da Imperatriz, Brazil, March 1993, "Stochastic Linearization-Review and Recent Developments".

150. International Conference on Vibration Engineering (ICVE'94), Beijing, China, June 1994, "New Stochastic Linearization Technique for Nonlinear Random Vibration ofStructures" (with J. J. Fang).

151. International Workshop on Artificial Intelligence, Miami, Nov. 1999, Opening Lecture, "Anti-Optimization of Structures".

152. International Conference on Modal Analysis, Leuven, Belgium, Sept. 2000, "Some Recent Developments in Analyzing Uncertainty in Structural Dynamics."

153. AIAA/ASCE/AMS/ASC Structures, Structural Dynamics and Materials Conference, Nondeterministic Forum: Palm Springs, April 2004, "Some Recent Developments in Stochastic Mechanics".

154. The Fourth Latin American and Caribbean Conference for Engineering and Technology, Puerto Rico, June 2006, "Recent Developments in Probabilistic Dynamics and Risk Assessment."

155. 22nd Reliability Symposium of the Japan Society of Material Science, Dec. 2006, "Safety Factors: From the Times of Hammurabi to the Present."

156. International Conference on Seismic Design, University Center, Ariel, Israel, October 2007. "Research Associated with the Early Warning Systems and Related Topics".

157. International Conference on Religion and Science, Florida International University, December 2007. "Mathematics of Division in the Tractate of Mishnah".

158. International Conference on Structural Engineering Dynamics, Ericeira, Portugal, June 2009. "Modern Problem in Structural Engineering Dynamics."

159. International Conference on Uncertainty in Structural Dynamics, Sheffield, England,June 2009, "General Methodology for Hybrid Theoretical, Numerical and Experimental Analysis of Uncertain Structures."

160. ASME International Congress and Exposition, Vancouver, Canada, November 2010, "Reliability of Ocean Energy-Related Corrosion-Subjected Structures via Probabilistic and Interval Analysis," Plenary Lecture.

161. International Conference on Continuum Mechanics and Related Problems of Analysis, Tbilisi, Georgia, September 2011, "Recent Developments in Uncertainty Analysis "Theoretical and Applied Mechanics" (Plenary Lecture)."

162. ASME Congress and Exhibition, Denver, November 2011, "Safety Factors: from Hammurabi to Modern times" (Keynote lecture).

163. 10th International Probabilistic Workshop, "Recent Developments in Applied Mechanics

with Uncertainties", Stuttgart, Federal Republic of Germany, November 2012 (Opening Keynote Lecture).

164. 4th Inverse Problems, Design and Optimization Symposium, "Recent Developments in Stochastic Engineering," Albi-Carmaux, France, June 2013 (Keynote Lecture).

165. 35th International Conference on Modal Analysis, "Recent Development of Uncertainty Analysis in Applied Mechanics", Los Angeles, January-February 2017.

166. Fifth International Conference on Mechanical and Aerospace Engineering, Las Vegas, October 2017, Keynote lecture "Uncertainty Analysis in Engineering: Past, Present, and Future."

167. First International Conference on Science and Engineering, Baku, Azerbaijan, November 2018, "Recent Developments of Uncertainty Analyses in Engineering".

168. UNCECOMP 2019, 3rd International Conference on Uncertainty Quantification in Computational Sciences and Engineering, Crete, Greece, June 2019, "Latest Developments in Uncertainty Treatment in Engineering Mechanics" (Plenary Lecture).

169. COMPDYN 2019; 7th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering "Latest Developments in Carbon nanotubes and Nano-Sensors" (Keynote Lecture).

170. 10th Serbian Congress in Theoretical and Applied Mechanics, Plenary Lecture, "Resolution of 20th Century Conundrum in Elastic Stability", Niš, Serbia, June 2025.

CONFERENCE OR SESSION ORGANIZATION

1. Chairman of the session at the 2nd IUTAM Symposium on Stability in the Mechanics of Continua, Nuembrecht, West Germany, Sept. 1981.

2. Organizer of the "Joint Technical University of Delft - Technion Conference on Aeronautical Research and Education", July 1984 (with Ir. Tom von Baten).

3. Organizer and chairman of the Session on "Random Vibrations and Reliability", 23rd Annual Meeting of the Society of Mechanical Sciences, State University of New York at Buffalo, August 1986.

4. Co-organizer and co-chairman of EUROMECH - 219, European Colloquium on "Refined Dynamical Theories of Beams, Plates and Shells and Their Applications", (with Prof. Ing. Dr. Horst Irretier), University of Kassel, Federal Republic of Germany, Sept. 1986.

5. Co-organizer of three sessions and chairman of session on "Stochastics", 20th Midwestern Mechanics Conference, Purdue University, August 1987 (with Prof. Martin Ostoja-Starzewski).

6. Organizer and chairman of the session on "Probabilistic Structural Mechanics", 24th

Annual Meeting of the Society of Engineering Science, University of Utah, Salt Lake City, Sept. 1987.

7. Organizer and chairman of the session on "Nonconservative Problems of Elastic Stability", 24th Annual Meeting of the Society of Engineering Science, University of Utah, Salt Lake City, September 1987.

8. Co-organizer and co-chairman of four sessions on "Mechanics of Solids", 22nd Israel Annual Meeting of the Mechanical Engineering, University of Beer Sheva, June 1988 (with Prof. Dov Schilkrut).

9. Chairman of the session on "Random Vibrations of Nonlinear Systems", 3rd International Conference on Recent Advances in Structural Dynamics, Southampton, July 1988.

10. Co-chairman of the session on "Stochastic Structural Dynamics", Symposium in honor of Professor Y.K. Lin, University of Illinois at Urbana-Champaign, Oct.-Nov.1988.

11. Organizer of the session on "Probabilistic Structural Mechanics", 21st Midwestern Mechanics Conference, Michigan Technological University, August 1989.

12. Chairman of the session at the Second Greek National Congress on Theoretical and Applied Mechanics, Athens, Greece, July 1989.
13. Organizer of the 47th session on "Engineering Applications of Stochastic Processes", International Statistical Institute, Paris, France, September 1989.

14. Co-organizer of two sessions and co-chairman of a session on "Behavior, Vibration and Buckling of Composites", Winter Annual Meeting, San Francisco, Dec. 1989 (with Prof. Chuh Mei and Dr. Howard Wolfe).

15. Co-organizer and co-chairman of the Second International Conference on Stochastic Structural Dynamics, Boca Raton, Florida, May 1990, (with Prof. Y.K. Lin).

16. Co-organizer and co-chairman of sessions on "Deterministic and Probabilistic Imperfection Sensitivity of Structures", and on "Impact and Buckling of Structures" (with Prof. D. Hui), ASME Winter Annual Meeting, Dallas, TX, Dec. 1990.

17. Co-organizer and co-chairman of the Symposium on "Symbolic Computations and Their Impact on Mechanics", (with Prof. Ahmed K. Noor and Prof. Gregg Hulbert), ASME Winter Annual Meeting, Dallas, TX, Dec. 1990.

18. General reporter, Session B.3 on "Probabilistic Models of Structural Components," 6th International Conference on Applications of Statistics and Probability in Civil Engineering", Mexico City, June 1991.

19. Chairman of the session, "Work in Progress" at the 4th International Conference on Recent Advances in Structural Dynamics, Southampton, England, July 1991.

20. Chairman of the session "String, Ring and Disk Vibrations", 13th Biennial Conference on Mechanical Vibration and Noise, Miami, Florida, September 1991.

21. Member of International Scientific Committee, First International Conference on Computational Probabilistic Mechanics, Corfu, Greece, Sept. 1991.

22. Co-organizer and co-chairman of the Joint F.A.U. - University of Armed Forces/Hamburg/F.R.G. Conference (with Prof. C. S. Hartley and Prof. L. Gaul), September 1992.

23. Member of International Scientific Committee, International Conference in Structural Reliability, Innsbruck, Austria, 1993.

24. Co-chairman of the session on "Nonlinear Vibrations", ASME Winter Annual Meeting, Anaheim, Nov. 1992.

25. Chairman of the session on "Statistical Energy Analysis", V Symposium on Dynamic Problems of Mechanics, Santo Amaro da Imperatriz, Brazil, March 1993.

26. Chairman of session # 2, IUTAM Symposium on Probabilistic Structural Mechanics, San Antonio, TX, June 1993.

27. Chairman of the session on "Fatigue Life Prediction of Structures", IUTAM Symposium on Probabilistic Structural Mechanics, San Antonio, TX, June 1993.

28. Member of the International Scientific Committee, 6th International Conference on Structural Safety and Reliability, Innsbruck, Austria, Aug. 1993.

29. Chairman of the session "Stability", 6th International Conference on Structural Safety and Reliability, Innsbruck, Austria, Aug. 1993.

30. Discussion Leader, International Symposium on Nonlinear Dynamics and Stochastic Mechanics, Session "Random Vibrations", University of Waterloo, Aug. Sept., 1993.

31. Member of International Scientific Committee, 2nd International Conference on Computational Stochastic Mechanics, Athens, Greece, June 1994.

32. Chairman of the session "Random Vibration", ICVE'94, International Conference on Vibration Engineering, Beijing, China, June 1994.

33. Moderator, Seventh International Conference on Applications of Statistics and Probability, Paris, France, July 1995.

34. Member of the International Scientific Committee, International Conference on Nonlinear Stochastic Dynamics, Hanoi, Vietnam, Dec. 1995.

35. Organizer and Chairman, International Conference on Uncertain Structures, Miami and Western Caribbean, March 1996.

36. Member of the International Scientific Committee, 7th International Conference on Structural Safety and Reliability, Kyoto, Japan, 1997.

37. Organizer, International Centre of Mechanical Sciences, Course, “Uncertainty on Engineering”, Undine, Italy, July 1996.

38. Co-chairman, session on "Recent Developments in Structural Mechanics," ASME Congress, Nov. 1997.

39. Member of International Scientific Committee, International Conference on Computational Stochastic Mechanics, Santorini, Greece, July 1998.

40. Member of International Scientific Committee, International Conference on Applications of Statistics and Probability, Dec. 1999, Sydney, Australia.

41. Member of Scientific Committee, Third International Conference on Science and Torah, Miami, December 1999.

42. Member of International Scientific Committee, Int'l Conference on Advanced Problems in Vibration, June 2000, Xi'an Yiaotong University, China.

43. Member of Scientific Advisory Committee, first MIT Conference on Computational Fluid and Solid Mechanics, MIT, June 2001.

44. Chairman of the session “Nonlinear Stochastic Mechanics,” European Colloquium on Stochastic Structural Dynamics of Mechanical Systems, Palermo, Italy, June 2000.

45. Chairman of the session “Structural Application,” Int’l Conference on Monte Carlo Simulation, Monaco, June 2000.

46. Member of Conference Editorial Board, The Second International Conference on Engineering Computational Technology, Leuven, Belgium, Sept. 2000.

47. Chairman of the session, “Nonlinear Systems”, ASME Congress and Exhibition,Orlando,November 2000.

48 Co-Organizer, International Centre of Mechanical Sciences, course “Stability of Structures: Unconventional Approaches, Vdine, Italy, July 2001.

49. Member of International Scientific Committee, Simulation-Based Reliability Assessment Methods, Prague, Czech Republic, June 2002.

50. Member of International Scientific Committee, International Conference on Structural Reliability, Minsk, Belarus, Sept. 2002.

51. Member of International Scientific Committee, Second International Conference on

Structural Stability and Dynamics, Singapore, Dec. 2002.

52. Member of International Scientific Committee, Uncertainty Modeling in Engineering, University of Maryland, June, 2003.

53. Session chairman, ASME Congress and Exhibition, New Orleans, Nov. 2002.

54. Invited Panelist, Nondeterministic Forum, AIAA/ ASME/ ASCE/ AMS/ ASC 44th Structures, Structural Dynamics Conference, Norfolk, April 2003.

55. Co-chairman of the session "Methods 1", AIAA/ ASME/ ASCE/ AMS/ ASC 44th Structures, Structural Dynamics Conference, Norfolk, April 2003.

56. Invited Panelist, Nondeterministic Forum, AIAA/ASME/ASCE/AHS/ASC 45th Structures, Structural Dynamics Conference, April 2003.

57. Session chair, AIAA SDM Conference, April 2003.

58. Invited Panelist, Nondeterministic Forum, AIAA/ASME/ASCE/AHS/ASC 46th Structures, Structural Dynamics Conference, April 2004.

59. Session Chair, AIAA SDM Conference, April 2004.

60. Member of Editorial Board, The Seventh International Conference on Computational Structures Technology, Lisbon, Portugal, Sept. 2004.

61. Organizer, International Centre of Mechanical Sciences, Course "Mechanical Vibration: Where Do We Stand?" Udine, Italy, June 2005.

62. Member of International Scientific Committee, International Conference on Uncertainty in Structural Dynamics, Sheffield, England, June 2007.

63. Member of International Scientific Committee, International Conference on Seismic Design, Ariel, Israel, October 2007.

64. Chairman of the session and special speaker, International Conference on Religion and Science, Florida International University, December 2007.

65. Chairman of the session, International Conference on Seismic Design, University Center, Ariel, Israel, October 2007.

66. Member of International Scientific Committee, International Conference on Uncertainty in Structural Dynamics, University of Sheffield, England, June 2007.

67. Member of International Scientific Committee, International Conference on Structural Engineering Dynamics, Ericeira, Portugal, June 2009.

68. Member of International Scientific Committee of the Second International Conference on Uncertainty in Structural Dynamics, University of Sheffield, England, June 2009.

69. Chairman of the session on "Nano Devices and Sensors, "ASME International Congress and Exposition, Vancouver, Canada, November 2010.

70. Member of International Scientific Committee, Second International Conference on Structural Engineering Mechanics, Portugal, June 2011.

71. Co-organizer of the course, "Nondeterministic Mechanics" at the International Centre for Mechanical Sciences, Udine, Italy, May 2011.

72. Co-organizer of the Dagstuhl Seminar, "Uncertainty Modeling and Analysis with Intervals," Saarbrüken, Federal Republic of Germany, September 2011.

73. Member of International Scientific Committee, Muskhelishvili Anniversary International Conference, Tbilisi, Georgia, September 2011.

74. Chairman of the session "Continuum Mechanics", Muskhelishvili Anniversary International Conference, Tbilisi, Georgia, September 2011.

75. Chairman of the session "Nonlinear Dynamics," ASME Congress and Exhibition, Denver. Colorado, November 2011.

76. Member of International Scientific Committee, International Conference on Structural Engineering Dynamics (ICEDyn), Tavira, Algarve, Portugal, 2011.

77. Member of International Scientific Committee, International Conference on Stochastics, Uscita, Sicily, Italy, June 2012.

78. Chairman of 2 sessions, International Conference on Stochastics, Ustica, Italy, June 2012.

79. Co-organizer of the session, ICOSSAR on interval uncertainty, New York, 2013.

80. Member of International Scientific Committee, Third International Conference on Structural Engineering Mechanics, Portugal, June 2013.

81. Member of International Scientific Committee International Conference on Structural Engineering Dynamics (ICEDyn 2013), Portugal, June 2013.

82. Chairman of the session, ICOSSAR, International Conference on Structural safety and Reliability, New York, 2013.

83. Member, International Organizing committee and Advisory Board, International Conference on Shell and Membrane Theories in Mechanics and Biology: From Macro- to Nanoscale Structures, Belarusian State University, Minsk (Belarus), September 2013.

84. Member of International Scientific Committee, Annual Georgian National Conference on Theoretical and Applied Mechanics, Kutaisi, Georgia, November 2013

85. Co-organizer and session co-chairman, Second International Conference onVulnerability and Risk analysis and Management, and Sixth International Symposium on Uncertainty Modeling and Analysis, University of Liverpool, U.K., July 2014.

86. Member, International Scientific Committee, International Conference on Uncertainty Quantification, Crete, Greece, June 2015.

87. Member of the International Scientific Committees of the 13th International Conference on "Dynamical Systems - Theory and Applications", Lodz, Poland, December 2015.

88. Chairman and co-organizer, Session on "Stochastic Optimization, Uncertainty and Probability", ASME Congress, Phoenix, AZ, December 2016.

89. Member of the Scientific Committee, 14th International Conference, Dynamical Systems - Theory and Applications, December 2017, Łódź, Poland

90. Member of International Scientific Committee, International Conference on Sound and Vibration, Boston, 2017.

91. Co-organizer of the session, IMECE Conference, Tampa, November 2017.

92. Chairman of the session, IMECE Conference, Tampa, November 2017.

93. Chairman of two sessions, IMECE- International Mechanical Engineering Conference, Pittsburgh, November 2017.

94. Member of International Scientific Committee, International Conference on Sound and Vibration, Boston, 2018.

95. Member of International Scientific Committee**,** International Conference on Innovations Induced by Research in Technical Systems, April 2019, Kozalin University, Poland.

96. Member of International Scientific Committee**,** 3rd International Conference on Uncertainty Quantification in Computational Sciences and Engineering, June 2019, Crete, Greece.

97. Member of International Scientific Committee**,** Nano and Materials Science, Japan- 2019, Osaka, Japan, October 14-16, 2019.

98. Member of International Scientific Committee, International Conference on Structural Engineering Dynamics, Portugal, 2019.

99. Chairman of the Session, UNCECOMP 2019,3rd International Conference on Uncertainty Quantification in Computational Sciences and Engineering, Crete, Greece, June 2019.

100. Member of International Scientific Committee**,** 11th International Conference on

Structural Dynamics**,** 22-24 June 2020, Athens, Greece**.**

101. Member of International Scientific Committee and Member of Organizing Committee, "Second International Conference on Nanotechnology", Amsterdam, The Netherlands, November 2020.
102. Member of International Scientific Committee, 9th International Workshop on Reliable Engineering Computing, Risk and Uncertainties in Engineering Computations, Taormina, Italy, May 2020.
103. International Conference on Emerging Trends in Mathematics for Science and Technology (ETMST)", The University of the West Indies, Mona Campus, Jamaica, Dec 2020.
104. Member of International Scientific Committee, Fourth International Conference on Uncertainty Quantification in Computational Sciences and Engineering June 2021, Athens, Greece.
105. Member of International Scientific Committee, *UNCECOMP 2025*, 6th International Conference on Uncertainty Quantification in Computational Science and Engineering, June 2025, Rhodes Island, Greece.

INVITED DEPARTMENTAL SEMINARS AND COLLOQUIA

1) Moscow Energetics Institute, Dept. Dynamics and Strength of Machines, former USSR.
2) Technion -I.I.T., Dept. of Mechanics, Israel
3) Technion I.I.I., Dept. of Aeronautical Engineering, Israel
4) Institute for Aeroelasticity, Göttingen, Federal Republic of Germany
5) Tel Aviv University, Dept. of Mechanical Engineering, Israel
6) Delft University of Technology, Dept. of Aerospace Engineering, The Netherlands
7) Massachusetts Institute of Technology, Dept. of Mechanical Engineering, Cambridge, MA, USA
8) Bolt Beranek and Newman Inc., Cambridge, MA, USA
9) Raphael, Dept. of Environmental Testing, Israel
10) Technion - I.I.T. Dept. of Industrial Engineering and Management, Israel
11) The University, Glasgow, Dept. of Mechanical Engineering, Scotland
12) Institut für Leichtbau, Technische Hochshule Aachen, Federal Republic of Germany
13) Delft University, Dept. of Technical Mechanics, The Netherlands
14) Flight Dynamics Laboratory, Wright-Patterson Air Force Base, Dayton, OH, USA
15) University of Notre Dame, Dept. of Aerospace and Mechanical Engineering, Notre Dame, IN, USA
16) Stanford University, Applied Mechanics Division, CA, USA
17) Naval Postgraduate School, Dept of Mechanical Engineering, CA, USA
18) University of Notre Dame, Dept. of Civil Engineering, IN, USA
19) Special Seminar in Honor of Professor S.H. Crandall's 65th Birthday, M.I.T., Dept. of Mechanical Engineering, Cambridge, MA, USA
20) Northwestern University, Dept. of Nuclear and Mechanical Engineering, IL, USA
21) Hartford Graduate Center, CN, USA
22) United Technologies Research Center, East Hartford, USA
23) Syracuse University, Dept. of Mechanical and Aerospace Engineering, NY, USA
24) The City College of New York, Dept. of Mechanical Eng., NY, USA
25) Florida Atlantic University, Center for Applied Stochastics Research, FL, USA
26) Virginia Polytechnic Institute and State University, Dept. of Engineering Science and Mechanics, VA, USA
27) University of California, Davis, Dept. of Mechanical Engineering, CA, USA
28) Technion - I.I.T., Dept. of Mechanical Engineering
29) Tel-Aviv University, Faculty of Engineering, Israel
30) Dept. of Aeronautical Engineering, Technical University Istanbul, Turkey
31) Technion - I.I.T., Faculty of Mechanical Engineering, Israel
32) Worcester Polytechnic Institute, Dept. of Mechanical Engineering, MA, USA.

33) NASA Lewis Research Center, OH, USA
34) NASA Langley Research Center, VA, USA
35) Dept. of Mechanical Engineering, Old Dominion University, VA, USA
36) Department of Mathematical Statistics, University of Lund, Sweden
37) University of Palermo, Italy
38) University of Catania, Italy
39) University of Tokyo, Japan
40) Musashi Institute of Technology, Tokyo, Japan
41) Disaster Prevention Institute, University of Kyoto, Japan
42) Ohsaki Research Institute, Shimizu Corporation, Tokyo, Japan
43) Kobori Research Complex, Kajima Corporation, Tokyo, Japan
44) University of Central Florida, Orlando, FL, USA
45) Lehigh University, NJ, USA
46) Tongji University, Shanghai, China
47) Zheijiang University, Hangzhou, China
48) Northwestern Polytechnical University, Xian, China
49) Department of Aerospace Engineering, Texas A & M Univ.
50) Faculty of Aerospace Engineering, Technion-I.I.T., Haifa, Israel
51) Department of Aerospace Engineering, TU Delft, Netherlands
52) Department of Civil Engineering, University of Miami.
53) Department of Structural Engineering, University of Catania, Italy.
54) Department of Aerospace Engineering, University of Texas, Austin, U.S.A.
55) University of Civil Engineering, University of Bologna, Italy.
56) Faculty of Civil, Geotechnical and Environmental Engineering, University of Rome "La Sapienza", Italy.
57) Department of Aerospace, Mechanical and Materials Engineering, University of Central Florida.
58) Department of Mechanical Engineering, Florida International University.
59) University of Kyoto, Japan.
60) University of Tokyo, Japan.
61) Tohoku University, Sendai Japan.
62) Osaka Prefecture University, Japan
63) Peking University, China.
64) Beihang University, China.
65) Department of Mechanics, University of Rome, Italy
66) Florida International University, USA
67) University of Miami, USA
68) University of Innsbruck, Austria
69) Vienna Technical University, Austria
70) University of Catania, Sicily, Italy
71) University of Messina, Sicily, Italy.
72) University of Stuttgart, Germany.
73) École Polytechnique, Paris, France.
74) Électricité de France
75) National University of Defense Technology, China
76) Faculty of Civil and Environmental Engineering, Technion-I.I.T, Haifa, Israel
77) University of Southampton, U.K.
78) Cambridge University, U.K.
79) University of Rome, Italy.
80) University of Trento, Italy.
81) City University of London, U.K.
82) Keele University, U.K.
83) Thuyloi University, Hanoi, Vietnam
84) University of Ariel, Israel
85) RWTH, University of Aachen, Federal Republic of Germany.
86) University of L'Aquila, Italy.

LECTURES DELIVERED AS ASME DISTINGUISHED LECTURER (1996-2002)

54) Palm Beach Section of ASME
55) Mt. Diablo Section of ASME
56) Canton Section of the ASME
57) University of Oklahoma
58) Oklahoma Christian University
59) Lawrence Livermore National Laboratory
60) Imperial College London, England
61) Miami Section of the ASME
62) Buffalo Section of the ASME
63) Singapore National University
64) Australia Section of the ASME (Sydney).

MEMBERSHIP IN PROFESSIONAL SOCIETIES (VARIOUS PERIODS)

Member and Fellow of American Society of Mechanical Engineers
Member of American Institute of Aeronautics and Astronautics (AIAA)
Member of Acoustical Society of America (1975-1978)
Member of the Israel Society of Aeronautics and Astronautics (1976-1989)
Member of the Israel Society of Theoretical and Applied Mechanics (1973-1989)
Member of GAMM - Society of Applied Mathematics & Mechanics
(Federal Republic of Germany) (1995-1998)
Member and Fellow of the American Academy of Mechanics
Member of the American Society of Engineering Science (1989-1994)
Member of the Israel Society of Artificial Intelligence (1987-1989)

PUBLIC ACTIVITIES

Reviewer for:

1. Journal of Sound and Vibration (England)
2. Applied Mechanics Reviews (U.S.A.)
3. Israel Journal of Technology (Israel)
4. International Journal of Solids and Structures (U.S.A.)
5. Computers and Structures. An International Journal (The Netherlands).
6. Journal of the Acoustical Society of America (U.S.A.)
7. Journal of Applied Mechanics (U.S.A.)
8. Journal of Engineering Mechanics Division of ASCE (U.S.A.)
9. Structural Safety - An International Journal of Integrated Risk Assessment for Constructed Facilities (The Netherlands)
10. American Aeronautics and Astronautics AIAA Journal (U.S.A.)
11. International Journal of Impact Engineering (England)
12. Journal of Probabilistic Engineering Mechanics (England)
13. Journal of Vibration, Acoustics, Stress and Reliability in Design (U.S.A.)
14. ZAMP: Zeitschrift für angewandte Mathematik und Physik, Switzerland
15. Journal of Symbolic Computation (England)
16. Mechanical Systems and Signal Processing (England)
17. Computer Methods in Applied Mechanics and Engineering (The Netherlands)
18. Dynamics and Stability of Systems, an International Journal (England)
19. Springer Verlag, Berlin (Federal Republic of Germany)
20. Springer Verlag, New York (U.S.A.)
21. Oxford University Press (England)
22. Journal on Chaos, Solitons and Fractals (England)
23. Applicable Analysis
24. Computational Mechanics (Federal Republic of Germany)
25. International Journal of Nonlinear Mechanics (England).
26. Nonlinear Dynamics, an International Journal of Nonlinear Dynamics and Chaos in Engineering Systems

(The Netherlands)
27. International Journal for Analytical and Experimental Modal Analysis (England)
28. Journal of Shock and Vibration (USA)
29. Journal of Acoustics and Vibration (USA)
30. European Journal of Mechanics.
31. Finite Elements in Analysis and Design (USA).
32. International Journal of Computer Methods in Engineering (USA)
33. Journal of Structural Engineering (USA)
34. McGraw Hill Publishers (USA)
35. Birkhäuser Publishers (Switzerland)
36. CRC Publishers (USA)
37. Mechanics Research Communications (U.S.A.)
38. Journal of Fluids and Structures
39. Academic Press (U.S.A.)
40. International Journal of Mechanical Sciences (England)
41. Structural Engineering and Mechanics. An International Journal (Korea)
42. Proceedings of the Royal Society of London (England)
43. Journal of Fluids and Structures (England)
44. Earthquake Engineering and Structural Dynamics (England)
45. Wind and Structures (Korea)
46. Optimization in Engineering (The Netherlands)
47. Journal of Aircraft (U.S.A.)
48. Inverse Problems (England)
49. Journal of Structural Engineering (U.S.A.)
50. Meccanica (Italy)
51. Structural and Multidisciplinary Optimization
52. Journal of Optimization Theory and Applications
53. Wind and Structures (Korea)
54. Ocean Systems Engineering (Korea)
55. Physica E: Low-dimensional Systems and Nanostructures
56. Acta Astronautica
57. Applied Mathematical Modeling
58. European Journal of Mechanics - A/Solids
59. Engineering Structures
60. Mechanics of Time-Dependent Materials
61. Journal of Applied Physics
62. Meccanica
63. Sensors & Actuators: A. Physical
64. Acta Mechanica Sinica
65. Sensors
66. Structural Engineering and Mechanics, An International Journal
67. Computational Materials Science
68. Science China: Physics, Mechanics & Astronomy
69. Applied Mathematics and Computation
70. Latin American Journal of Solids and Structures
71. Composites, Part B: Engineering
72. Structural Control and Health Monitoring
73. Thin-Walled Structures
74. Journal of Mechanics (Cambridge)
75. International Journal of Acoustics and Vibration
76. IEEE Transactions on Mechatronics
77. IEEE Transactions on Reliability
78. Advances in Materials Science and Engineering
79. Scientia Iranica
80. Journal of Sandwich Structures and Materials
81. Mechanics Research Communications.
82. Continuum Mechanics and Thermodynamics.
83. Mathematical and Computational Applications

84. Kibernetika
85. International Journal of Mechanics and Materials in Design
86. International Journal of Mathematical Education in Science and Technology
87. Nonlinear Dynamics, Springer.
88. ZAMM: Zeitschrift für angewandte Mathematik und Mechanik (Federal Republic of Germany)
89. Civil Engineering (MDPI, Switzerland).
90. Journal of Humanistic Mathematics, USA.

Referee for:

1. Technion Research and Development Foundation, Israel
2. Academy of Sciences and Humanities, Applied Research Foundation, Israel
3. National Science Foundation, U.S.A.
4. Engineering Foundation, U.S.A.
5. National Research Council, South Africa
6. Research Foundation, Australia
7. International Soros Foundation, U.S.A.
8. Israel Science Foundation.
9. Danish Agency for Science Technology and Innovation.
10. Belgium's Agency for Scientific Research
11. National Sciences and Engineering Research Council of Canada.
12. Israel Science Foundation (ISF).
13. Science Forefront Program, Division of Physics, and applied Math
    Israeli Ministry of Innovation, Science and Technology

External Examiner for M.Sc. and Ph.D. Degrees:

1. Technion, I.I.T. Haifa, Israel
2. Tel Aviv University, Israel
3. Ben Gurion University, Beer Sheva, Israel
4. University of Western Ontario, London, Canada
5. Florida Atlantic University, USA
6. Naval Postgraduate School, USA
7. University of Lund, Sweden
8. Indian Institute of Technology, Kanpur, India
9. University of Queensland, Australia
10. University of Waterloo, Canada
11. Delft University of Technology, the Netherlands

ASSOCIATE EDITORSHIP OR MEMBERSHIP IN EDITORIAL BOARDS

1. General Advisory Editor: Series "Studies in Applied Mechanics", Elsevier Science Publishers, Oxford, England.

2. General Advisory Editor: Series "Developments in Civil Engineering", Elsevier Science Publishers, Oxford (England).
3. Associate Editor, Risk Engineering, book series, Springer.
4. Member, editorial board, books in mechanics, ISTE-Wiley, London.

5. Associate Editor, "Applied Mechanics Reviews" (AMR) of the ASME, U.S.A. (also, Guest Editor of May, 1988, and of October, 1991 issues of AMR).
6. Associate Editor, an International Journal of Mechanics of Structures and Machines (between 1986-2018).

7. Associate Editor Chaos, Solutions, Fractals, "An Interdisciplinary Journal of Nonlinear Sciences. Applications

in Science and Engineering", Pergamon Press (England) (1995-2011).

8. Book Review Editor, Journal of Shock and Vibration, IOS Press (U.S.A.)

9. Member of Editorial Board, “Journal and Sound and Vibration” (Pergamon Press, England) (since 1989).

10. Member of the Editorial Board, "The Shock and Vibration Digest" (Sage Publications, U.S.A.) (since 1989).

11. Member of the Editorial Board, “Current Trends in Acoustical Research”, India (since 1998).

12. Member of the Editorial Board, “The Uncertainties in Engineering Mechanics Journal”, USA (since 2001).

13. Member of the Editorial Board, “International Journal of Structural Stability and Dynamics”, Singapore (since 2001).

14. Member of the Editorial Board, “Journal of Probabilistic Engineering Mechanics”, Elsevier, England(1986-1998).

15. Member of the Editorial Board, “Computers and Structures.” An International Journal (Pergamon Press, England) (1998-2001).

16. Member of the ASME Press Russian Translations Editorial Review Committee (ASME Press, U.S.A.) (1988-1993).

17. Member of Editorial Board, “International Journal of Reliability and Safety”, USA (since 2008)

18. Member of Editorial Board, “International Journal of Safety and Security Engineering,” WIT Press, England (May 2009—December 2019).

19. Member of Editorial Board, “Ocean Engineering Systems,” South Korea (since May 2010).

20. Member of Editorial Board, International Applied Mechanics, Ukraine, (since January 2013).

21. Member of Editorial Board, International Journal of Fuzzy Computation and Modelling, (since April 2013).

22. Member of Editorial Board, Vietnam Journal of Mechanics (since February, 2020).

GRADUATE STUDIES - SUPERVISION

1. Khromatov, Vasilii, M.Sc. In Dynamics and Strength of Machines, "Random Vibrations of Panels in a Supersonic Flow", Moscow (1970-1971), (with Prof. V. V. Bolotin).

2. Sternberg, Alexander M.Sc. in Mechanics "Some Problems in Vibrations of Stiffened Rectangular Plates", Haifa (1975-1978).

3. Soroka, Arie, M.Sc. in Mechanics "Dynamic Response of the Structures on an Elastic Foundation", Haifa (1978-1978).

4. Lubliner, Eliezer, M.Sc. in Aeronautics, "Interaction of Normal Modes in the Random Vibration Analysis", Haifa (1978-1983).

5. Gana-Shvili, Josef, M.Sc. in Aeronautics, "Solution of Optimization Problem of Structures with Uncertain Parameters", Haifa, 1988-1991, (with Dr. Dan Givoli).

6. Pletner, Baruch, M.Sc. in Aeronautics, "Vibration of the Large Space Structures with Uncertain Excitation", Haifa, 1998-1990, (with Dr. Haim Abramovich).

7. Birman, Victor, D.Sc. in Aeronautics, "Some Problems in Vibration and Stability of Nonlinear Systems", Haifa (1978-1983), (with Prof. Josef Singer).

8. Cederbaum, Gabriel, D.Sc. in Mechanical Engineering, Tel-Aviv University, "Some Problems in Random Vibration of Laminated Structures", Tel-Avis, (1985-1988) (with Prof. Liviu Librescu).

9. Zhu, Liping, Ph.D. in Engineering, Florida Atlantic University, "Deterministic, Probabilistic and Convex Analyses of Vibration of Mulit-Span Structures," Boca Raton, (1989-1994) (with Prof. Y.K. Lin).

10. Duan Dehe, M.Sc. in Engineering, Florida Atlantic University, "Dynamic Response and Stability of Elastic and Viscoelastic Structures by Interval Mathematics," Boca Raton, (1993-1995).

11. Li, Yiwei, Ph.D. in Engineering, Florida Atlantic University, "Buckling of Nonuniform Structures with Uncertain Imperfections", Boca Raton, (1991- 1996).

12. Fang, Jianjie, Ph.D. in Engineering, Florida Atlantic University, "Convex Identification and Nonlinear Vibrations of Elastic and Viscoelastic Structures", Boca Raton, (1991-1997).

13. Ren, Yongjien, Ph.D. in Engineering, Florida Atlantic University, "Non-Perturbative Finite Element Method for Stochastic Problems and Conditional Simulation", Boca Raton, (1993-1998).

14. Zingales, Massimiliano, M.Sc. in Engineering, Florida Atlantic University, "Comparison of Probabilistic and Interval Analyses" (2000-present).

15. Impollonia, Nicola, M.Sc. in Engineering, Florida Atlantic University, "Divergence and Flutter of Pipes on Elastic Foundation Conveying Fluid" (2000-present).

16. Vittori, Pablo, M. Sc, in Engineering, Florida Atlantic University, “Paradoxes in Non-Conservative Systems” (2003-2005).

17. Santoro, Roberta, Ph.D., in Engineering, University of Palermo, “Stochastic Differential Calculus on Structures with Uncertain Parameters” (controrelatori) (2002-2005).

18. Gentilini, Cristina, Ph.D. in Engineering, University of Bologna, Italy, “Modeling of the Static and Dynamic Behavior of Structures with Variable Parameters” (controrelatori) (2003-2005).

19. Demetris Pentaras, M.Sc. in Engineering, Florida Atlantic University, “Vibration Tailoring of Inhomogeneous Beams and Circular Plates,” (2004-2006).

20. Barbara Ferracuti, Ph.D. in Engineering, University of Bologna, Italy, “Strengthening of RC Structures by FRP: Experimental and Numerical Modeling” (correlatori) (2004-2006).

21. Lihong Ma, Ph.D. in Engineering, Beihang University, China, “Set-Theoretical Methods for Stability Analysis of Structures with Uncertain Initial Geometric Imperfection” (co advisor), (2006-2007).

22. Demetris Pentaras, Ph.D. in Engineering, Florida Atlantic University, “Buckling, Vibration and Impact of Nanotubes.” (2006-2009).

23. Claudia Versaci, Ph.D., in Engineering, University of Messina, “Selected Topics in Vibrations: From Earthquake Engineering to Nanotechnology” (co-advisor), (2009 – 2012).

24. Yohann Miglis, M.Sc. in Ocean Engineering, Florida Atlantic University, “Stress Corrosion and Ocean Energy Related Topics,” (August 2010 – May 2012).

25. Nicolo Zaza, M.Sc. in Engineering, Florida Atlantic University, “Functionally Graded Rotating Beams” (January 2015-June 2016).

26. Florian Hache, Ph.D. in Engineering, Florida Atlantic University and UBS, France, “Vibrations and buckling of graphene plates”, (January 2015-May 2018) (advising jointly with Prof. N. Challamel, UBS, France).

27. Hailey Armstrong, M.Sc. in Engineering, Florida Atlantic University, “Vibrations of functionally graded rods” (August 2017-May 2019).

28. Teng Fang, Ph. D in engineering, Hunan University, “Random vibration of bi-- and tri-materials beams”,

29. Melanie Dolley, Institute of Advances Mechanics, France, “Stochastic Imperfection Sensitivity,” (completed, Jan. 2008).

30. Xavier Chata, École Nationale Supérieure de Mécanique et d’Aérotechnique, France, “Flutter Instabilities,” (completed, Sept. 2008).

31. Kevin Dujat, Institute of Advanced Mechanics, France, “Vibrations of Carbon Nanotubes,” (completed, Aug. 2009.

32. Simon Bucas, Institute of Advanced Mechanics, France, “Nanosensors to Identify Viruses/Bacteria” (completed, Dec. 2010).

33. Clement Soret, Institute of Advanced Mechanics, France, “Effect on Nonlocality and Surface Stresses in Carbon Nanotubes.” (Completed, June 2011).

34. Baptiste Ducreux, Institute of Advanced Mechanics, France, “Modified Interval Analysis.” (completed, June 2013).

35. Yannis Bekel, Ecole Centrale Paris,France, “Super-Ellipsoidal Modeling of Uncertainties,” (completed, February 2012).

36. Axel Delmas, Ecole Centrale Paris, France, “Interval Finite Element Method” (completed, March 2012).

37. Thomas Gomez, Polytechnic Institute, Clermont-Ferrand, France, “Modal Density of Carbon Nanotubes” (complted, June 2012).

38. Etienne Archaud, Institute of Advanced Mechanics, France, “Stochastic Imperfection Sensitivity” (completed, February, 2013).

39. Fabien Elettro, Polytechnic Institute, Clermont-Ferrand, France, “Interval Analysis of Structures,” (completed , August 2013).

40. Nicolas Sarlin, Institute of Advanced Mechanics, France, “Ellipsoidal, parallelepiped and super ellipsoidal analyses of uncertain structures” (completed, February 2014).

41. Antoine Daphnis, Institute of Advanced Mechanics, France, “Super ellipsoidal analysis of composite plates,” (completed, February 2015).

42. Raphael Domain, Institute of Advanced Mechanics, France, “Comparison of parallelogram and super ellipsoidal analyses of uncertainty” (completed, July 2015).

43. Damien Delbecq, Institute of Advanced Mechanics, France, “Super ellipsoidal Uncertainty Quantification” (completed, February 2016).

44. Valentina Ciaschetti, University of Bologna, Italy, “Dynamic Stability of Pipes Conveying Fluid via Fractional Calculus” (completed, December 2016).

45. Giulio Tonzani, University of Bologna, Italy, "Vibrations of Timoshenko-Ehrenfest Beams on Elastic Foundation" (completed, February 2017).

46. Damien Boutur, SIGMA Clermont Engineering University, France, "Rigorous Implementation of the Galerkin Method for Stepped Columns" (completed, February 2018.

47. Prakash Ankitha Arvan, University of Bologna, Italy, "Comparison of Two Versions of Galerkin Method", (completed, June 2018.

48. Antoine Ajenjo, SIGMA Clermont Engineering University, France, "Closed-Form Solutions in RandomVibrations of Beams on Elastic Foundation" (in progress, August 2018-February 2019).

49. Marco Amato, University of Bologna, Italy, "Modified Galerkin Method for Stepped Structures" (August 2019-March 2020).

50. Eddi Diyari, SIGMA Clermont Engineering University, France, "Flutter of a beam with additional support" (August 2022-February 2023).

51. Nicolas Yvain, SIGMA Clermont Engineering University, France, "Interval quadratic equations."

52. Matthieu Zawadzki, SIGMA Clermont Engineering University, France, "Vibrations of Beams and Plates with Attached Masses."

NATIONAL OR INTERNATIONAL VISITING SCHOLARS AND GRADUATE STUDENTS

53. Colombi, Pierluigi, "Stochastic Linearization of Structures," University of Pavia, Italy, Sept.-Dec., 1992.

54. Stroud, W. Jefferson, (Distinguished NASA Fellowship) ("Stochastic Imperfection Sensitivity," NASA Langley Research Center, VA, Thompson Fellowship, Sept. 1992-Aug. 1993.

55. Colajanni, Piero, (Visiting Assistant Professor), "Novel Stochastic Linearization Problems," University of Palermo, Italy, Sept. 1995-Aug. 1996.

56. Impollonia, Nicola, "Stochastic FEM," University of Messina, Italy, Sept. 1996-Aug. 1997.

57. Zuccaro, Giuseppe, (Visiting Associate Professor, "Earthquake Engineering Modeling by Simulations," University of Naples, Italy, Sept. 1993-Dec. 1993.

58. Yoshikawa Nobuhiro, (Visiting Associate Professor), "Worst Case Computerized Design," University of Tokyo, Jan.1994-Feb.1994.

59. Zingales, Massimiliano, "Computer Modeling of Localization Phenomenon in Vibration and Buckling," University of Palermo, Italy, Aug. 1997-Dec. 1998.

60. Richiardi, Giuseppe, (Visiting Professor), "Novel Stochastic Dynamics Problems by the Maximum Entropy Principle," University of Messina, Italy, Aug. 2000-Dec. 2000.

61. Ruta, Giuseppe, (Visiting Assistant Professor), "Flutter of Pipes on Elastic Foundation within Refined Theories", University of Rome, "La Sapienza", Summer 2002.

62. Catellani, Giulia, "Inverse Problems in Buckling Analysis by Integral Formulations", University of Modena, Italy, Aug. 2002-Dec. 2002.

63. Lacqaniti, Silvio, "Random Vibrations of Sandwich Structures", University of Messina, Italy, Jan. 2003 – May 2003.

64. Santoro, Roberta, “Random Vibration of Two- Span Uncertain Structures”, University of Palermo, Italy, Jan. 2003 – Dec. 2003.

65. Gentilini, Cristina, “Structures Made of Functionally Graded Materials”, University of Bologna, Italy, Aug. 2003 – May 2004.

66. Ferracuti, Barbara, “Fuzzy Safety Factors”, University of Bologna, Italy, Jan. 2004 – July 2004.

67. Kiyohiro Ikeda (Visiting Distinguished Professor), “Stochasticity and Buckling”, University of Tohoku, Japan, June 2004 – Sept. 2004.

68. Andre Begin-Drolet, “Fair Allocation of Resources and Game Theory”, University of Laval, Canada, Aug. 2006- Dec. 2006.

69. Juxi Hu, Beijing University of Aeronautics and Astronautics, China, “Effect of Placement of Additional Supports on Vibration Response of Structures,” Aug. 2007 – Sept. 2008.

70. Professor Hien Luong T. Nguyen, Hochiminh City University of Technology, Vietnam, “Buckling under External Pressure of Cylindrical Shells with Variable Thickness,” Aug. 2007 – Aug. 2008.

71. Benedikt Kriegesmann, University of Hannover, Federal Republic of Germany, “Nonlinear Buckling of Shells with Uncertain Imperfections” (Jan. 2010 – July 2010).

72. Wim Verhaeghe, Catholic University Leuven, Belgium, “Interval and ellipsoidal modeling of imperfection sensitivity in impact” (August 2011- February 2012).