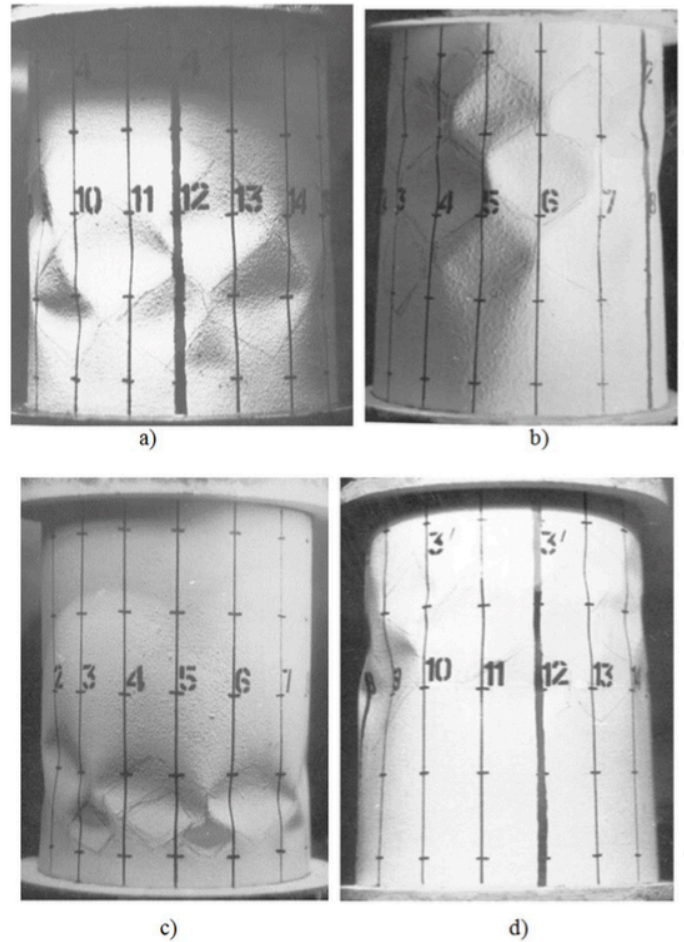




Professor Igor V. Andrianov



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See:

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Department of General Mechanics
RWTH Aachen University, Aachen, Germany

Fields of research: development of asymptotic methods in the Mechanics of Solids and Nonlinear Dynamics
Extra research interests: Asymptotology
Publications: 14 monographs and more than 300 papers

Professor with 22 years of experience in Mathematics, Applied Mechanics and Mechanics of Solids. Researcher with 38 years of experience in Applied Mathematics and Mechanics of Solids. Supervisor of 18 Ph.D. students. Research interests: Asymptotology, Nonlinear Dynamics, Composite Materials, Theory of Plates and Shells.

EXPERIENCE:

10.2006-present Research Scientist, RWTH Aachen University, Germany
09.1990-10.1997 Full Professor of Mathematics, Dnepropetrovsk Institute of Civil Engineering (DICE, Dnepropetrovsk, Ukraine)
09.1977-08.1990 Associate Professor of Mathematics, DICE
09.1974-08.1977 Senior Research Scientist, Dnepropetrovsk State University (DSU, Dnepropetrovsk, Ukraine)

ACADEMIC DEGREES:

1990 Full Professor of Mathematics, Dnepropetrovsk Institute of Civil Engineering (DICE, now Pridneprovskaya State Academy of Civil Engineering and Architecture, Dnepropetrovsk, Ukraine)
1990 D.Sc. (Doctor of Physical and Mathematical Sciences) in Mechanics of Solids, Moscow Institute of Electronic Engineering (Moscow, Russia)
1980 Associate Professor of Mathematics, DICE
1975 Ph.D. in Structural Mechanics, Dnepropetrovsk State University 1971 Master of Applied Mechanics, DSU

UNIVERSITY EDUCATION:

1971-74 Doctoral student, DSU
1966-71 Applied Mechanics student, DSU

AWARDS:

1994 International Science Foundation grant.
1996 Soros Professor.

PUBLICATIONS AND PRESENTATIONS:

14 books and more than 300 papers. Presentations at more than 150 international congresses, conferences and seminars.

THE MAIN BOOKS:

· Bolshakov V.I., Andrianov I.V., Danishevs'kyi V.V. Asymptotic Methods for Calculation of Composite Materials with Microstructure. Dnepropetrovsk: Porogi, 2008 (in Russian).
· Andrianov I.V., Barantsev R.G., Manevitch L.I. Asymptotical Mathematics and Synergetics. Moscow: URSS, 2004 (in Russian).

- Andrianov I.V., Awrejcewicz J., Manevitch L.I. Asymptotical Mechanics of Thin-Walled Structures. A Handbook. Berlin: Springer-Verlag, 2004.
- Manevitch L.I., Andrianov I.V., Oshmyan V.O. Mechanics of Periodically Heterogeneous Structures. Berlin: Springer-Verlag, 2002.
- Andrianov I.V., Manevitch L.I. Asymptotology: Ideas, Methods, and Applications. Dordrecht, Boston, London, Kluwer AP, 2002.
- Awrejcewicz J., Andrianov I.V., Manevitch L.I. Asymptotic Approaches in Nonlinear Dynamics: New Trends and Applications. Berlin: Springer-Verlag, 1998.
- Obraztsov I.F., Nerubaylo B.V., Andrianov I.V. Asymptotic Methods in Structural Mechanics of Thin-Walled Structures. Moscow: Mashinostro- yenie, 1991 (in Russian).
- Andrianov I.V., Lesnichaya V.A., Manevitch L.I. Homogenization Methods in Statics and Dynamics of Ribbed Shells. Moscow: Nauka, 1985 (in Russian).

LONG-TIME SCIENTIFIC VISITS:

- 2005 3 months, Delft University of Technology, the Netherlands
- 2004 3 months, Delft University of Technology, the Netherlands
- 2003 University La Laguna, Tenerife, Spain
- 2002 Université Claude Bernard Lyon I, France
- 2001 Institute of Fundamental Technological Research Warsaw, Poland.
- 1999 Institute of Fundamental Technological Research, Warsaw, Poland.
- 1999 Delft University of Technology, the Netherlands
- 1997 University of Illinois at Urbana-Champaign, Urbana, USA.

CONFERENCE KEYNOTE TALKS:

- XV MCM (Mechanics of Composites), Riga, Latvia, 26-30.05, 2008.
- XXXVI Advanced Problems in Mechanics Conference, Repino, Russia, 5.07-7.07, 2008.
- 2nd Int. Conf. on Nonlinear Normal Modes and Localization in Vibrating Systems, June 19-23, 2006, Samos, Greece.
- 9th DSTA (Dynamical Systems: Theory and Applications), Lodz, 17-20.12, 2007.
- 8th SSTA (Shell Structures: Theory and Applications) Conference, Jurata, Poland, 12-14.10, 2005.

CONFERENCES MINISIMPOSIUM ORGANIZER:

- Numerical Analysis and Applied Mathematics, Rethymno, Crete, Greece, 18-22 September 2009.
- Sixth ENOC (EUROMECH Nonlinear Dynamics Conference), Sankt-Petersburg, 30.06-4.07, 2008.
- Fifth ENOC, Eindhoven, 7-12.08, 2005.

INVITED SEMINARS AND PRESENTATIONS (45-60 minutes):

- Germany: 2009, TU Berlin
 - 2001 Weierstraß-Institute, Berlin; CAESAR, Bonn; TU Berlin
 - 2000 Univ. Stuttgart; Univ. Karlsruhe; Univ. Paderborn; RWTH Aachen
 - 1999 Max-Plank Inst. Demogr. Forschung, Rostock; TU Hamburg- Harburg; TU Braunschweig;
- Bauhaus-Univ. Weimar; Univ. Jena ; TU Darmstadt; RWTH Aachen
 - 1998 Univ. Erlangen-Nürnberg
- Austria: 2001 Vienna TU
- France: 2002 Univ. Claude Bernard Lyon I; Univ. de Franche-Comté-Besancon
- The Netherlands: 2003, 2004 Delft TU

TEACHING UNIVERSITY COURSES:

1976-1977 Linear Algebra. DSU.

1980-1997 Asymptotic Methods. DICE.

1977-1997 Higher Mathematics, including Linear Algebra, Analytical Geometry, Mathematical Analysis, Ordinary Differential Equations, Partial Differential Equations, Complex Analysis, Probability Theory, Variation Calculus, Stability Theory, and Systems Analysis. DICE.

BOARD MEMBERSHIP:

1988-1997 Member of Scientific Council for Conferment of Doctoral Degrees. DICE.

PERSONAL DATA:

Date of birth: 19 April 1948

Citizenship: Ukraine

Permanent residence: Germany

Marital status: married, 3 sons (39, 32 and 25 years old)

Languages: Russian, native. Ukrainian, fluent. English, good. German, good.

Hobby: Mathematical Philately.