



## **Professor Evgeny Morozov**

See:

<https://research.unsw.edu.au/people/professor-evgeny-morozov>

University of New South Wales, Canberra, Australia

### **Education:**

Msc, PhD, DSc (Moscow), MASME

### **Research Interests:**

Mechanical Engineering, Composite and Hybrid Materials, Solid Mechanics, Aerospace Structures

### **Research Experience:**

Applied and Structural Mechanics

Design, Analysis and Manufacture of Composite Materials and Structures

Mechanics of Composite Materials and Structures

Modelling, Design and Optimization of Advanced Materials, Processes and Structural Components

### **Teaching Experience:**

Courses Taught - Numerical Methods and Computer Programming, Strength of Materials, Elastic Stability and Vibrations, Mechanics of Composite Materials, Theory of Composite Laminated Plates, Optimum Design of Composite Structures, Structural Optimization, Manufacturing Technology, Advanced Manufacturing Systems, Design and Analysis of Manufacturing Processes, Mechanics of Solids

### **Additional Experience:**

Professor, UNSW@ADFA (2007- present)

Professor, Division of Engineering Science and Technology, UNSW Asia (2007)

Professor, School of Mechanical Engineering, University of Natal, Durban, South Africa (1995-2007)

Programme Director, School of Mechanical Engineering, University of Natal, Durban, South Africa (2001-2004)  
Visiting Professor (Research), Department of Mechanical Engineering, Brunel University, UK (Jul-Dec 2000)  
Visiting Professor, Department of Engineering Science and Mechanics, Virginia Polytechnic Institute and State University, USA (Jan-May 1995)  
Professor, Department of Aerospace Composite Structures, Moscow State University of Aviation Technology (1990-1995)  
Deputy Dean (Research), Faculty of Aerospace Composite Structures, Moscow State University of Aviation Technology (1988-1994)  
Research Associate/Senior Research Associate, Department of Composite Materials and Structures, Moscow State University of Aviation Technology (1977-1990)

### **Selected Publications:**

Evseev EG, Morozov EV. Aeroelastic interaction of the shock waves with the thin-walled composite shells. *Compos Shells* 2001;54:153–9.

A.V. Lopatin (1) and E.V. Morozov (2)

(1) Department of Aerospace Engineering, Siberian State Aerospace University, Krasnoyarsk, Russia

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“Buckling of the SSFF rectangular orthotropic plate under in-plane pure bending”, *Composite Structures*, Vol.90, No. 3, October 2009, pp. 287-294, doi:10.1016/j.compstruct.2009.03.006

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“Buckling of the CCFF orthotropic rectangular plates under in-plane pure bending”, *Composite Structures*, Vol.92, No. 6, May 2010, pp. 1423-1431, doi:10.1016/j.compstruct.2009.10.038

E. V. Morozov, A. V. Lopatin, and V. A. Nesterov, “Finite-element modelling and buckling analysis of anisogrid composite lattice cylindrical shells,” *Composite Structures*, vol. 93, pp. 308–323, Jan. 2011.

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“Buckling of the SSCF rectangular orthotropic plate subjected to linearly varying in-plane loading”, *Composite Structures*, Vol. 93, No. 7, June 2011, pp. 1900-1909, doi:10.1016/j.compstruct.2011.01.024

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“Buckling analysis and design of anisogrid composite lattice conical shells”, *Composite Structures*, Vol. 93, No. 12, pp. 3150-3162, November 2011, DOI: [10.1016/j.compstruct.2011.06.015](https://doi.org/10.1016/j.compstruct.2011.06.015)