



<b>Name</b>	Aleksandr Chuprynin
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<b>Academic Degree, Academic Title</b>	PhD, Associate Professor
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## EDUCATION:

### Basic education:

National Technical University 'Kharkiv Polytechnic Institute' – Mechanical engineer.  
Dynamics and strength of machines.  
1990 – 1996

### Postgraduate/Doctoral studies:

postgraduate student at the O. M. Beketov National University of Urban Economy in Kharkiv  
1996 – 1999

## WORK EXPERIENCE:

### Teaching Experience:

2000-2004 Assistant, Department of Theoretical and Building mechanics, O. M. Beketov National University of Urban Economy in Kharkiv;  
2004-2024 Associate Professor, Department of Theoretical and Building mechanics, O. M. Beketov National University of Urban Economy in Kharkiv;  
From 2024 to present Associate Professor of the Department of Aircraft Strength (102) at the National Aerospace University "KhAI".

## RESEARCH ACTIVITIES:

### Main Research Areas:

modeling of mechanical processes (strength, stability, vibrations), mechanics of deformable solids,

### Number of Publications (Scopus, WoS, others):

60 publications in scientific journals, including 10 publications indexed in Scopus and WoS.

### Monographs, Textbooks:

1 monograph.





**Participation in Scientific Conferences:**

44 conference participations

**TEACHING ACTIVITIES:**

**Courses Taught:**

finite element method,  
stability and vibrations of thin-walled structures,  
theory of elasticity, plasticity and creep.

**Author Courses, Academic Programs:**

guarantor of the educational program “Dynamics and Strength of Machines”.

**Methodological Materials, Textbooks:**

55 methodological Materials and Textbooks in various disciplines.



## SELECTED PUBLICATIONS:

### Key Articles (Scopus, WoS, others):

Breslavsky, D., Chuprynin, A., Morachkovsky, O., Tatarinova, O., & Pro, W. (2019). Deformation and damage of nuclear power station fuel elements under cyclic loading. The Journal of Strain Analysis for Engineering Design. Vol 54, Issue 5-6, P. 348–359. [<https://doi.org/10.1177/0309324719874923>];

Breslavsky D., Chuprynin A., Spiliopoulos K.V. Estimation of creep and damage accumulation in thin-walled concrete structures // Magazine of Concrete Research. Volume 74 Issue 12, 2022, 594-607. [<https://doi.org/10.1680/jmacr.20.00387>];

Shpachuk, V., Chuprynin, A., Suprun, T. Characteristics of elasticity, frequency, and stability of plate connecting assemblies for vibrating machines. Naukovyi Visnyk Natsionalnoho Hirnychoho Universytetu. 2024, №2, 82-87. [<http://nvngu.in.ua/index.php/uk/arkhiv-zhurnalu/za-vipuskami/1908-2024/zmist-2-2024/6890-82>].

### Books, Chapters in Collective Monographs:

Mechanics of tram track failures: monograph / V.Shpachuk, T. Suprun, A. Chuprynin. – Kharkiv: O. M. Beketov National University of Urban Economy in Kharkiv, 2024. – 130 p. ISBN 978-966-695-61-9  
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[<https://eprints.kname.edu.ua/67471/1/2024%20%D0%A0%D0%B5%D0%BF%D0%BE%D0%B7.%20%D0%9C%D0%9D%20%D0%A8%D0%BF%D0%B0%D1%87%D1%83%D0%BA%20%D0%92.%20%D0%9F.%20%D1%82%D0%B0%20%D1%96%D0%BD%20%281%29.pdf>]

## ADDITIONAL INFORMATION:

### Language Proficiency:

Ukrainian language – free;

English language – sufficient for work.

### IT Skills:

MS Office, Open Office, Mathcad. SCAD Office, Lira SAPR