



Dr. Ing Benedikt Kriegesmann

2010 – 2012 Leibniz University of Hannover, Hannover, Germany

See:

http://www.researchgate.net/profile/Benedikt_Kriegesmann/publications

http://researchindex.net/author/Kriegesmann_B./536fd0b226184448c505144e

<http://www.linknovate.com/expert/kriegesmann-b-821120/>

<https://www.infona.pl/contributor/0@bwmeta1.element.elsevier-2be0f6bd-a34c-35df-a566-039608b6573a/tab/publications>

Selected publications:

Sample size dependent probabilistic design of axially compressed cylindrical shells

Benedikt Kriegesmann, Milena Möhle, Raimund Rolfes

Thin-Walled Structures 01/2014; 74:222–231. · 1.43 Impact Factor

Optimization and Antioptimization of Buckling Load for Composite Cylindrical Shells Under Uncertainties

Isaac Elishakoff, Benedikt Kriegesmann, Raimund Rolfes, Christian Hühne, Alexander Kling

AIAA Journal 07/2012; 50(7):1513-1524. · 1.17 Impact Factor

Validation of Lower-Bound Estimates for Compression-Loaded Cylindrical Shells

Waddy Haynie, Mark Hilburger, Massimiliano Bogge, Marco Maspoli, Benedikt Kriegesmann

53rd AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics and Materials Conference AIAA;

04/2012, AIAA Paper 2012-1687

The Effects of Geometric and Loading Imperfections on the Response and Lower-Bound Buckling Load of a Compression-Loaded Cylindrical Shell

Benedikt Kriegesmann, Mark W. Hilburger, Raimund Rolfes

53rd AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics and Materials Conference, Honolulu, USA; 04/2012

Semi-analytic probabilistic analysis of axially compressed stiffened composite panels
Benedikt Kriegesmann, Eelco L. Jansen, Raimund Rolfes
Composite Structures 01/2012; · 3.12 Impact Factor

Design Optimization of Composite Cylindrical Shells under Uncertainty
Benedikt Kriegesmann, Raimund Rolfes, Eelco Jansen, Isaac Elishakoff, Christian Hühne, Alexander Kling
Computers, Materials and Continua 01/2012; 32(3):177-200.

Design Optimization of Composite Cylindrical Shells Under Uncertainty
B. Kriegesmann, R. Rolfes, E.L. Jansen, I. Elishakoff, C. Hühne, A. Kling
3rd ECCOMAS Thematic Conference on the Mechanical Response of Composites, Hannover, Germany; 09/2011

Fast probabilistic design procedure for axially compressed composite cylinders
Benedikt Kriegesmann, Raimund Rolfes, Christian Hühne, Alexander Kling
Composite Structures 06/2011; 93(12):3140-3149. · 3.12 Impact Factor

Analysis Tools for Robust and Cost Efficient Design of Composite Structures. Abstract in Proceedings/Book of Abstracts of: International Conference on Computational & Experimental Engineering and Sciences (ICCES), 18-21 April 2011, Nanjing, China.
Raimund Rolfes, Steffen Czichon, Benedikt Kriegesmann, Heiko Krüger, Matthias Vogler, Eelco Jansen

Structural Mechanics Simulation of Composites - Where Do We Stand Today?
R. Rolfes, S. Czichon, M. Vogler, B. Kriegesmann, H. Krüger, E.L. Jansen
NAFEMS-Seminar: Progress in Simulating Composites, Wiesbaden, Germany; 01/2011

The Influence of Blade Properties on the Forced Response of Mistuned Bladed Disks
Andreas Hohl, Benedikt Kriegesmann, Jörg Wallaschek, Lars Panning
ASME 2011 Turbo Expo: Turbine Technical Conference and Exposition; 01/2011

Probabilistic Design of Axially Compressed Composite Cylinders with Geometric and Loading Imperfections
Benedikt Kriegesmann, Raimund Rolfes, Christian Hühne, Jan Teßmer, Johann Arbocz
International Journal of Structural Stability and Dynamics (Sonderband). 10/2010; 10(2010-10-4):623-645.

Probabilistic Second-Order Third-Moment Approach for Design of Axially Compressed Composite Shells
Benedikt Kriegesmann, Raimund Rolfes
51st AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics, and Materials Conference; 04/2010

Imperfection Measurement and Analysis for six Cylindrical Shells made of Composite
Benedikt Kriegesmann, Christian Hühne, Raimund Rolfes, Jan Teßmer
08/2008.

B. Kriegesmann, "Probabilistic design of thin-walled fiber composite structures," Leibniz Universität

Hannover, Germany, 2012.