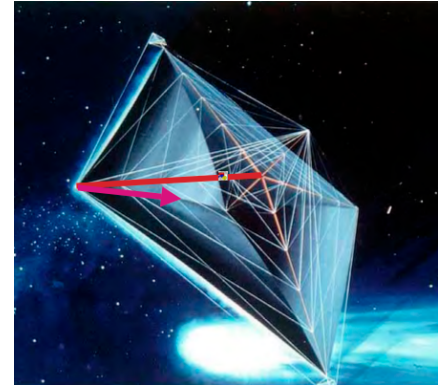
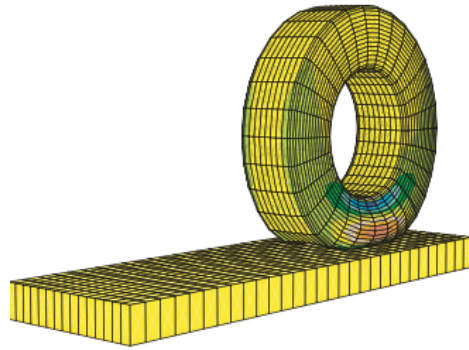




**Professor Ilinca Stanciulescu**



From: Ilinca Stanciulescu (2005), Nonlinear finite element formulations and bifurcation analysis for structures undergoing large deformations, Ph.D. Dissertation, Duke University.

See:

<https://ceve.rice.edu/ilinca-stanciulescu>

[https://cpb-us-e1.wpmucdn.com/blogs.rice.edu/dist/e/7366/files/2016/10/Ilinca\\_CV-2ef7kai.pdf](https://cpb-us-e1.wpmucdn.com/blogs.rice.edu/dist/e/7366/files/2016/10/Ilinca_CV-2ef7kai.pdf)

<https://scholar.google.com/citations?user=q3ZelyYAAAAJ&hl=en>

[https://www.researchgate.net/profile/Ilinca\\_Stanciulescu](https://www.researchgate.net/profile/Ilinca_Stanciulescu)

Department of Civil and Environmental Engineering  
Rice University, Houston, Texas, USA

### **Research Summary:**

Computational mechanics (non-linear finite elements), constitutive modeling of materials, multiscale and multiphysics formulations, non-linear dynamics and stability of complex systems

### **Biography:**

Ilinca Stanciulescu holds a B.Eng (1995) and a M.A.Sc (1996) from the Technical University of Civil Engineering Bucharest, a B.S. in Applied Mathematics (2000) from Bucharest University and a Ph.D. in Civil Engineering (2005) from Duke University. Before joining the Ph.D. Program at Duke University, she served as a lecturer (1996-2000) in the Department of Strength of Materials of the Technical University of Civil Engineering (T.U.C.E.) in Bucharest, Romania. She has also worked as a structural design engineer (full-time in 1995 before joining the faculty at T.U.C.E., and part-time thereafter). Prior to joining Rice University she served as Assistant Professor in the Civil and Environmental Engineering Department at the University of Illinois, Urbana-Champaign (2006-2009) and as Postdoctoral Research Associate in the Duke University Computational Mechanics Laboratory (2005-2006).

### **Selected Publications:**

Liviu Crainic and Ilinca Stanciulescu (2000), “Calcul post-elastique des structures” (Post elastic analysis of structures), Matrix Rom, Bucharest, ISBN 973-685-191-5.

Ilinca Stanciulescu (2005), Nonlinear finite element formulations and bifurcation analysis for structures undergoing large deformations, Ph.D. Dissertation, Duke University.

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Hao Wang, Imad Al-Qadi and Ilinca Stanciulescu, “Effect of surface friction on tire-pavement contact stresses during vehicle maneuvering” (2014), DOI:10.1061/(ASCE)EM.1943-7889.0000691, ASCE Journal of Engineering Mechanics, v. 140(4), 04014001-1.

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