

## Peer-Reviewed Articles

1. (with J. Howell and I. Lasiecka) Quasi-stability and Exponential Attractors for A Non-Gradient System—Applications to Piston-Theoretic Plates with Internal Damping, *Evolution Eqns. Control Theory*, accepted, August 2016.  
<http://arxiv.org/abs/1609.02211>
2. (with G. Avalos and P.G. Geredeli) Finite Dimensional, Smooth Attractors for A Non-rotational Berger Plate with Dissipation Acting on A Portion of the Boundary, *Comm. Pure Appl. Math.*, Volume 15, 6, 2016, pp. 2301–2328.  
<http://aimsciences.org/journals/displayArticlesnew.jsp?paperID=13047>  
(with E. Dowell, I. Chueshov, and I. Lasiecka) Mathematical Aeroelasticity: A Survey, *Mathem. Engin. Sci. Aerosp.*, Volume 7, 2016, pp. 1–26.  
<http://nonlinearstudies.com/index.php/mesa/article/view/1283>
3. (with E. Dowell, I. Chueshov, and I. Lasiecka) Nonlinear elastic plate in a flow of gas: Recent results and conjectures, *Appl. Math. Optim.*, Volume 73, 2016, pp. 475–500.  
<http://link.springer.com/article/10.1007/s00245-016-9349-1>
4. (with L. Bociu, G. Guidoboni, R. Sacco) Analysis of nonlinear poro-elastic and poro-visco-elastic models, *Arch. Rational Mech. Anal.*, published online, July 2016. DOI: 10.1007/s00205-016-1024-9  
[http://link.springer.com/article/10.1007/s00205-016-1024-9?wt\\_mc=Internal.Event.1.SEM.ArticleAuthorC](http://link.springer.com/article/10.1007/s00205-016-1024-9?wt_mc=Internal.Event.1.SEM.ArticleAuthorC)
5. (with P.G. Geredeli) Qualitative Results on the Dynamics of A Berger Plate with Nonlinear Boundary Damping, *Nonlin. Anal. B*, 31, 2016, pp. 227–256; published online, February 2016: DOI:10.1016/j.nonrwa.2016.02.002.  
<http://www.sciencedirect.com/science/article/pii/S1468121816000195>
6. (with I. Lasiecka) Feedback stabilization of a fluttering panel in an inviscid subsonic potential flow, *SIAM J. Math. Anal.*, 48, 3, 2016, pp. 1848–1891.  
<http://epubs.siam.org/doi/abs/10.1137/15M1040529>
7. (with M. Peszynska and R.E. Showalter) Advection of methane in the hydrate zone: Model, analysis, and examples, *Math. Meth. Appl. Sci.*, Volume 38, 18, 2015, pp. 4613–4629.  
<http://onlinelibrary.wiley.com/doi/10.1002/mma.3401/abstract>
8. (with I. Lasiecka) Eliminating flutter in clamped von Karman plates immersed in subsonic flows, *Commun. Pure Appl. Anal.*, Volume 13, 5, 2014, pp. 1935–1969.  
<https://www.aimsciences.org/journals/displayArticlesnew.jsp?paperID=9987>  
<http://arxiv.org/abs/1409.3308>
9. (with I. Lasiecka) Kutta-Joukowski flow conditions in flow-plate interactions: subsonic case, *Nonlinear Anal. B*, Volume 7, 2014, pp. 171–191.  
<http://www.sciencedirect.com/science/article/pii/S1468121813001235>
10. (with I. Chueshov and I. Lasiecka) Flow-plate interactions: Well-posedness and long-time behavior, *Discrete Contin. Dyn. Syst. Ser. S, Special Volume: New Developments in Mathematical Theory of Fluid Mechanics*, Volume 7, 5, 2014, pp. 925–965.  
<http://aimsciences.org/journals/displayArticlesnew.jsp?paperID=9873>
11. (with P.G. Geredeli) Decay rates to equilibrium for nonlinear plate equations with geometrically constrained, degenerate dissipation, *Appl. Math. Optim.*, Volume 68, 2013, pp. 361–390.  
<http://link.springer.com/article/10.1007/s00245-013-9210-8>  
**Corrigendum:** <http://link.springer.com/article/10.1007/s00245-014-9275-z>
12. (with I. Chueshov and I. Lasiecka) Attractors for delayed, non-rotational von Karman plates with applications to flow-structure interactions without any damping, *Commun. PDE*, Volume 39, 11, 2014.  
[http://www.tandfonline.com/eprint/ARUs3wgC9ih2hzZBGjs3/full#.U\\_5H3rywLV5](http://www.tandfonline.com/eprint/ARUs3wgC9ih2hzZBGjs3/full#.U_5H3rywLV5)

13. (with I. Chueshov and I. Lasiecka) Evolution semigroups in supersonic flow-plate interactions, *J. Diff. Eqns.*, Volume 254, Issue 4, 2013, pp. 1741–1773, ISSN 0022-0396, 10.1016/j.jde.2012.11.009.  
<http://www.sciencedirect.com/science/article/pii/S0022039612004342>
14. (with P.G. Geredeli and I. Lasiecka) Smooth attractors of finite dimension for von Karman evolutions with nonlinear frictional damping localized in a boundary layer, *J. Diff. Eqns.*, Volume 254, Issue 3, 2013, pp. 1193–1229, ISSN 0022-0396, 10.1016/j.jde.2012.10.016.  
<http://www.sciencedirect.com/science/article/pii/S0022039612004093>
15. (with I. Lasiecka) Generation of bounded semigroups in nonlinear subsonic flow-structure interactions with boundary dissipation, *Math. Meth. Appl. Sci.*, Volume 36, 2013, pp. 1995–2010.  
<http://onlinelibrary.wiley.com/doi/10.1002/mma.1518/full>
16. Weak and strong solutions of a nonlinear subsonic flow-structure interaction: Semigroup approach, *Nonlinear Anal. A*, Volume 74, Issue 10, July 2011, pp. 3123–3136, ISSN 0362-546X, 10.1016/j.na.2011.01.028.  
<http://www.sciencedirect.com/science/article/pii/S0362546X11000459>
17. (with D. Sheehan and L.M. Baird) Orthogonally-oriented nanotube arrays: Experiment I, *J. Nanosci. Nanotech.*, Volume 7, Issue 10, 2007, pp. 3653–3661.  
<http://www.ingentaconnect.com/content/asp/jnn/2007/00000007/00000010/art00048>

### Conference Proceedings and Posters

1. (with D. Prada, R. Sacco, B. Cockburn, L. Bociu, B. Siesky, A. Harris, and G. Guidoboni) Influence of tissue viscoelasticity on the optic nerve head perfusion: a mathematical model, Poster #3558, Annual Meeting of the Association for Research in Vision and Ophthalmology, May 2016. (Presenter: D. Prada)
2. (with I. Lasiecka) Stabilization of a nonlinear flow-plate interaction via component-wise decomposition, XV International Conference on Hyperbolic Problems: Theory, Numerics, Applications, July 2014, IMPA, Rio de Janeiro, Brazil, *Bull. Braz. Math. Soc.*, New Series 47(2), 2016, pp. 489–506. [Peer-reviewed]
3. (with I. Lasiecka) Controlling Flutter for Nonlinear Panels in Subsonic Flows via Nonlinear Mechanical Feedback, IEEE 53rd Conference on Decision and Control, Session on Control of First and Second Order PDEs, 2014, DOI: 10.1109/CDC.2014.7039443, pp. 577–582. [Peer-reviewed]
4. Mathematical models of fluttering plates: Supersonic flows, Proceedings of the 2013 Virginia Space Grant Consortium Research Conference.  
<http://www.vsgc.odu.edu/awardees/20122013/abstracts/Papers%20-%20Grad/Webster,%20Justin%20-%20Paper.pdf>
5. Analysis and control of nonlinear flow-structure interactions, Proceedings of the 2012 Virginia Space Grant Consortium Research Conference.  
<http://www.vsgc.odu.edu/src/SRC2012/Abstracts%20-%20Grad/Webster,%20Justin%20-%20paper.pdf>
6. (with I. Lasiecka) Long-time dynamics and control of subsonic flow-structure interactions, American Control Conference (ACC), 2012, pp. 658–663, 27-29 June 2012. [Peer-reviewed]  
<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6315219>