Note on Abbreviations: All journal titles are written out in full. IEEE stands for Institute of Electrical and Electronics Engineers. Proceedings volumes of conferences sponsored by the IEEE are archived, in bound form over the years, and more recently in electronic form at the website http://ieeexplore.ieee.org. ASME stands for American Society of Mechanical Engineers. AMS stands for American Mathematical Society. IFAC stands for International Federation of Automatic Control. The abbreviation “Proc.” is used to denote “Proceedings”. The link to Google Scholar citations is http://scholar.google.com/citations?user=tMGdVcEAAAAJ

Research and Scholarly Work

A. Books


B. Papers in Books


7. “Motion Control and Coupled Oscillators” (1997), Board of Mathematical Sciences, National Research Council, Motion, Control and Geometry: Proceedings of a Symposium, pp. 52-65, National Academy Press, Washington D.C.


C. Papers in Refereed Journals


40. “Convergence Analysis and Analog Circuit Applications for a Class of Networks of Nonlinear Coupled Oscillators” (1997), recommended for publication pending final revision, in *IEEE Transactions on Neural Networks*, (with E. Justh and F. Kub). Final version was not submitted.

41. “On a Low-Dimensional Model for Ferromagnetism” (2005), *Nonlinear Analysis: Theory, Methods and Applications*, vol. 61, no. 8, pp 1147-1482 (with R. V. Iyer)


44. “The Hannay-Berry Phase of the Vibrating Ring Gyroscope” (2004), to be re-submitted (with Sean Andersson).


**D. Papers in Conference Proceedings:**

(Articles submitted to American Control Conference, IEEE Conference on Decision and Control and the IEEE International Conference on Robotics and Automation are consistently refereed prior to the conference and only accepted articles are included in the Proceedings. Acceptance rates vary. IFAC Symposia on Robot Control require full paper review. The annual Allerton Conference at the University of Illinois, and the annual Conference on Information Sciences and Systems which alternates between Johns Hopkins University and Princeton University, require only review of submitted abstracts.)


111. “Mutual Motion Camouflage in 3D” (2011), *Proc. 18th IFAC World Congress*, pp. 4483-4486 (with M. Mischiati).


E. Selected Technical Reports


F. Other
