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Tarynn Madysyn Witten* (tmwitten@vcu.edu), Center for the Study of Biological Complexity, Suite 111, PO Box 842030, 1000 West Cary Street, Richmond, VA 23284-2030. *Flight of the Relativistic Bumble Bee: Developing a System to Fly the Bee at Light Speeds*. Preliminary report.

In this talk we present the ongoing developments of a project to allow a user to interactively fly a bumble bee at a fixed velocity $v < c$ while the bee is playing "Flight of the Bumble Bee." This project is an outgrowth of work originally started while the presenter was a student at the University of Texas at Austin Electronic Music Program. Future goals will be discussed and impediments to the actual completion of the project will be presented. (Received September 14, 2010)