## Abstract Submitted for the APR06 Meeting of The American Physical Society

Japan Fulbright Memorial Fund Program Opens New Avenues for Effective Technology Integration into Education<sup>1</sup> FRANCO PAOLETTI, LISA MARIE CARLUCCI, East Windsor Regional School District, Hightstown, NJ 08520, USA — Technology is increasingly playing a major role in today's education often integrated into instruction to become one of the teacher's most effective and often indispensable tools used in the classroom. It can be said that the use of technology at the beginning of this new millennium is affecting the instructional process and it is changing some of its basic connotations. The presented work analyzes the impact of various technologies on education emphasizing the advantages provided by a successful integration, the obstacles encountered along the way, and the methodologies currently used in the process. "Educational exchange can turn nations into people, contributing as no other form of communication can to the humanizing of international relations" (Senator J.M. Fulbright). Technology of this modern era is providing the indispensable tool to achieve this superior level of communication overcoming historical, cultural, and language barriers. In the context of the Japan Fulbright Memorial Fund (JFMF) Teacher Program, we analyze the impact of technology on educational cross-cultural exchanges to raise awareness and interest of the scientific/educational community on the need of establishing stronger international relations promoting world peace and global prosperity.

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Franco Paoletti East Windsor Regional School District, Hightstown, NJ 08520, USA

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