

2. “GLOBALIZATION AND ENGINEERING/SCIENCE EDUCATION: DO THEY CONVERGE?”

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The widening, intensifying, speeding up, and growing impact of worldwide interconnectedness, better known as globalization is forcing countries and regions develop strategies to enhance their economies to better compete worldwide. Science, technology, engineering and innovation play a fundamental role in the creation of wealth, economic development and in the improvement of the quality of life for all citizens. This paper addresses the need to reform and innovate engineering education and its role of capacity building as key foundations to develop national/regional economic development strategies worldwide.



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At the UPR system, Lueny was part of the staff of the Vice President of the University of Puerto Rico System, coordinating the implementation of a UPR system-wide institutional research function, and Director of the Curriculum Innovation Center of the Puerto Rico Alliance for Minority Participation (PR-AMP) Project. Lueny was also Project Director for various NASA and NSF multidisciplinary curriculum innovation grants involving strong industry partnerships. A licensed professional engineer, and certified ABET evaluator, she has done professional consulting work and is member of various professional and honor societies.

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