Electrical & Computer Engineering

S E M I N A R

Louisiana State University

Multivariable Systems Theory in Industrial Practice on Repairing Defects Inherited from Vector Space Mathematics

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Abstract—Multivariable/multivariate systems theory has successfully made its way into industrial practice in the form of large software packages supported by service companies with design and support expertise. Examples are model based predictive control systems and multivariate statistical analysis packages. But the industrial market supports virtually no vendor-supplied real-time multivariable process monitoring and control products.

Multivariable systems theory is a child of vector-space mathematics. In this seminar, Dr. Moore will argue that with respect to fitness for survival in industrial applications, multivariable theory suffers defects inherited from vector-space mathematics.

He will furthermore argue that we have the means to create a technical foundation for industrially fit multivariable products by repairing these inherited defects.

Date: Tuesday, **23 March 1999,** 13:30 - 14:30
Place: Room 117 EE Building
Info: `http://www.ee.lsu.edu/seminar`
Food: ***Refreshments will be served.***