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This volume treats Lagrange equations for electromechanical systems, including piezoelectric transducers and selected applications.

It is essentially an extension to piezoelectric systems of the work by Crandall et al.: "Dynamics of Mechanical and Electromechanical Systems", McGraw-Hill, published in 1968. The first three chapters contain classical material based on this and other well-known standard texts in the field, such as Methods of Analytical Dynamics by L. Meirovitch, McGraw-Hill, 1970. Some applications are new (e.g. geophone). Chapters 4 to 6 consist of new material which has not been published in a monograph before. They deal with piezoelectric systems in a unified way, starting from a Lagrangian approach.