Neural networks for control systemsâ€"a survey.

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Neural networks for control systemsâ€"A survey â˜†

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Abstract

This paper focuses on the promise of artificial neural networks in the realm of modelling, identification and control of nonlinear systems. The basic ideas and techniques of artificial neural networks are presented in language and notation familiar to control engineers. Applications of a variety of neural network architectures in control are surveyed. We explore the links between the fields of control science and neural networks in a unified presentation and identify key areas for future research.

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Keywords

Neural networks; nonlinear control systems; nonlinear systems modelling; systems

identification

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