Electrical & Computer Engineering

S E M I N A R

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On Instantaneous Learning Neural Networks

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Abstract—Instantaneous learning is a desirable feature in neural networks. This type of learning enables the network to be trained very quickly, typically in just one pass of the training set as opposed to hundreds or even thousands of passes for networks trained by an iterative process, such as the error backpropagation (BP) algorithm. This talk discusses several types of neural networks with the instantaneous learning property, including the CC4 Corner Classification neural network. Some comparison of generalization performance is presented.

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