Machine learning for signal processing

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There are many interesting problems that can be addressed by signal processing. With the advent of ever increasing computational power, there are some problems that were either not possible to address before or not in the way that it can be addressed now. Separate developments have been taking place in learning algorithms for more than the last thirty years. Much more recently interesting and innovative researches have been taking place in the area of Machine Learning for Signal Processing (MLSP). In this lecture, I wish to tell you about some of these efforts, relating to some of my own experiences.