

An overview of Deep Learning Research and Results

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Abstract: Deep Learning is the spearhead of applied machine learning. It has led to major breakthrough in many real life problems related to the automation of perception tasks (hearing and vision), to comprehension and reasoning (natural language) and to sequential decision (strategy games). It is at the heart of what is today called Artificial Intelligence and is both the bedrock of a highly dynamic industrial sector but also a very active area of research that falls within the broader field of Machine Learning. This talk will present an overview of DL's outstanding results as well as the current state of the art and the trends of research in this field.