

During today's seminar we listened to Terrence Sejnowski. Terrence Sejnowski is the Francis Crick Professor at Salk institutes for Biological Studies (He has a PHD in physics from Princeton) and the title of his talk was Deep Learning: Artificial Intelligence Meets Human Intelligence. His research involves understanding the computational resources of the brain and the principles linking brain mechanisms and behaviors. Professor Terrence talked about the breakthroughs and advancements in Deep Learning. The line of research that led to deep learning is very much influenced by the visual system. He went on to talk about the perceptron, recurrent networks, and Boltzmann machines to name a few. Later, he mentioned 3 subtopics of Deep Learning : Feedforward Networks, Recurrent Networks, and Reinforcement Learning. Throughout his presentation he constantly drew comparisons to the inner works of a human being and developments in Deep Learning. The prospective impacts of deep learning are definitely intriguing. What most interests me is the application of Deep Learning on Self driving cars. I will definitely look into Professor Terrence Sejnowski's research in the future. One question I had towards the end of his presentation was whether he sees his work impacting the technology of self driving cars and if so how?