



iMRI Invited Session

SY01-4

Deep Learning for Advanced Neuroimaging

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Over the last a few years, deep learning has become a prevalent technology in every corners of MRI. In this presentation, I will focus on the applications of deep learning in advanced neuroimaging. In stead of covering basics of deep learning that has been introduced multiple times in various lecture, I will directly cover applications of deep learning in various image contrasts of neuroimaging. In particular, my talk will introduce a large number of applications that Korean MR physicists have been developing. This presentation will give an overview of what has been developed and what will be primary building blocks of the technology and also what is possible with deep learning.

Keywords: Deep Learning, Neuroimaging