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Advance in CT Imaging Using Deep Learning

Guest Editor:

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Deadline for manuscript submissions:
closed (31 July 2022)

Message from the Guest Editor

Dear Colleagues,

Advances in deep learning have significantly changed the field of medical imaging analysis. CT imaging, in particular, is a field where deep learning has the potential to significantly impact the state of the field. Within the diagnostic utility of CT, many different tasks have been attempted across the various anatomical areas with research directly leading to clinical implementation. Novel medical devices incorporating deep learning into CT are emerging for clinical use. This Special Issue will seek manuscripts that describe methods for image analysis and image generation using CT images. Methods for deep learning-based image denoising and reconstruction that results in images that provide diagnostic information while also showing potential improvements in clinical measures are also welcome. Innovative methods that involve CT imaging used with deep learning are encouraged, as well as manuscript submissions describing the current state of the field.

Dr. Kenny H. Cha

Guest Editor