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Ph.D. Student in Electrical Engineering, admitted Autumn 2016

Publications

PUBLICATIONS

- **Implicit neural representation for radiation therapy dose distribution.** *Physics in medicine and biology*
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- **Attention-guided deep learning for gestational age prediction using fetal brain MRI.** *Scientific reports*
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- **Artificial intelligence in image-guided radiotherapy: a review of treatment target localization.** *Quantitative imaging in medicine and surgery*
Zhao, W., Shen, L., Islam, M. T., Qin, W., Zhang, Z., Liang, X., Zhang, G., Xu, S., Li, X.
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- **Deep Neural Network With Consistency Regularization of Multi-Output Channels for Improved Tumor Detection and Delineation** *IEEE TRANSACTIONS ON MEDICAL IMAGING*
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- **Patient-specific reconstruction of volumetric computed tomography images from a single projection view via deep learning.** *Nature biomedical engineering*
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- **Markerless pancreatic tumor target localization enabled by deep learning.** *International journal of radiation oncology, biology, physics*
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- **Harnessing the power of deep learning for volumetric CT imaging with single or limited number of projections**
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- **Automatic marker-free target positioning and tracking for image-guided radiotherapy and interventions**
Zhao, W., Shen, L., Wu, Y., Han, B., Yang, Y., Xing, L., Fei, B., Linte, C. A.
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- **A deep learning approach for dual-energy CT imaging using a single-energy CT data**
Zhao, W., Lv, T., Gao, P., Shen, L., Dai, X., Cheng, K., Jia, M., Chen, Y., Xing, L., Matej, S., Metzler, S. D.
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- **Scaling Human-Object Interaction Recognition through Zero-Shot Learning**
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