

- [2] Liu, C., Yan, Y., Lu, P. (2014). Physics of turbulence generation and sustenance in a boundary layer. *Computers & Fluids*, 102: 353-384. <https://doi.org/10.1016/j.compfluid.2014.06.032>
- [3] Wallace, J.M. (2012). Highlights from 50 years of turbulent boundary layer research. *Journal of Turbulence*, (13): N53. <https://doi.org/10.1080/14685248.2012.738907>
- [4] Robinson, S.K. (1991). Coherent motions in the turbulent boundary layer. *Annual Review of Fluid Mechanics*, 23(1): 601-639. <https://doi.org/10.1146/annurev.fl.23.010191.003125>
- [5] Hunt, J.C.R., Wray, A.A., Moin, P. (1988). Eddies, streams, and convergence zones in turbulent flows. 89N24555, 19890015184.
- [6] Jeong, J., Hussain, F. (1995). On the identification of a vortex. *Journal of Fluid Mechanics*, 285: 69-94. <https://doi.org/10.1017/S0022112095000462>
- [7] Chong, M.S., Perry, A.E., Cantwell, B.J. (1990). A general classification of three-dimensional flow fields. *Physics of Fluids A: Fluid Dynamics*, 2(5): 765-777. <https://doi.org/10.1063/1.857730>
- [8] Zhou, J., Adrian, R.J., Balachandar, S., Kendall, T.M. (1999). Mechanisms for generating coherent packets of hairpin vortices in channel flow. *Journal of Fluid Mechanics*, 387: 353-396. <https://doi.org/10.1017/S002211209900467X>
- [9] LeCun, Y., Bottou, L., Bengio, Y., Haffner P. (1998). Gradient-based learning applied to document recognition. *Proceedings of the IEEE*, 86(11): 2278-2324. <https://doi.org/10.1109/5.726791>
- [10] Krizhevsky, A., Sutskever, I., Hinton, G.E. (2012). Imagenet classification with deep convolutional neural networks. *Advances in Neural Information Processing Systems*, 25(2): 1097-1105. <https://doi.org/10.1145/3065386>
- [11] Simonyan, K., Zisserman, A. (2014). Very deep convolutional networks for large-scale image recognition. arXiv preprint arXiv: 1409-1556.
- [12] Szegedy, C., Liu, W., Jia, Y.Q., Sermanet, P., Reed, S., Anguelov, D., Erhan, D., Vanhoucke, V., Rabinovich, A. (2015). Going deeper with convolutions. *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition*, pp. 1-9. <https://doi.org/10.1109/CVPR.2015.7298594>
- [13] He, K., Zhang, X., Ren, S., Sun, J. (2016). Deep residual learning for image recognition. *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition*, pp. 770-778. <https://doi.org/10.1109/CVPR.2016.90>
- [14] Long, J., Shelhamer, E., Darrell, T. (2015). Fully convolutional networks for semantic segmentation. *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition*, pp. 3431-3440. <https://doi.org/10.1109/CVPR.2015.7298965>
- [15] Kuruvilla, J., Gunavathi, K. (2014). Lung cancer classification using neural networks for CT images. *Computer Methods and Programs in Biomedicine*, 113(1): 202-209. <https://doi.org/10.1016/j.cmpb.2013.10.011>
- [16] Jiang, J., Hu, Y.C., Tyagi, N., Zhang, P.P., Rimmer, A., Mageras, G.S., Deasy, J.O., Veeraraghavan, H. (2018). Tumor-aware, adversarial domain adaptation from CT to MRI for lung cancer segmentation. *International Conference on Medical Image Computing and Computer-Assisted Intervention*. Springer, Cham, pp. 777-785. https://doi.org/10.1007/978-3-030-00934-2_86
- [17] Chen, L.C., Papandreou, G., Kokkinos, I., Murphy, K., Yuille, A.L. (2017). Deeplab: Semantic image segmentation with deep convolutional nets, atrous convolution, and fully connected CRFS. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 40(4): 834-848. <https://doi.org/10.1109/TPAMI.2017.2699184>
- [18] Colvert, B., Alsalman, M., Kanso, E. (2018). Classifying vortex wakes using neural networks. *Bioinspiration & Biomimetics*, 13(2): 025003. <https://doi.org/10.1088/1748-3190/aaa787>
- [19] Lguensat, R., Sun, M., Fablet, R., Mason, E. (2018). EddyNet: A deep neural network for pixel-wise classification of oceanic eddies. *IGARSS 2018-2018 IEEE International Geoscience and Remote Sensing Symposium*. IEEE, pp. 1764-1767. <https://doi.org/10.1109/IGARSS.2018.8518411>
- [20] Schmid, P.J. (2010). Dynamic mode decomposition of numerical and experimental data. *Journal of Fluid Mechanics*, 656: 5-28. <https://doi.org/10.1017/S0022112010001217>