

Publications of Kim Steenstrup Pedersen

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Ph.D. thesis:

- **Kim S. Pedersen.** Statistics of Natural Image Geometry. Ph.D. Thesis, Department of Computer Science, University of Copenhagen, Denmark, January 2003. Published as DIKU tech. report no. 2003/04.

Scientific journal papers: (15)

- E. Schou Dreier, K. M. Sørensen, T. Lund-Hansen, B. Møller Jespersen, **K. Steenstrup Pedersen.** Hyper-spectral imaging for classification of bulk grain samples with deep convolutional neural networks. *Journal of Near Infrared Spectroscopy*. April 2022. DOI: 10.1177/09670335221078356. DataDOI: 10.17894/ucph.f8c7feeb-3b27-4bd2-ba6d-6d44a4ab4330, JIF: 1,372.
- J. Rasmussen, J. Nielsen, J. C. Streibig, J. E. Jensen, **K. S. Pedersen**, S. I. Olsen. Pre-harvest weed mapping of *Cirsium arvense* in wheat and barley with off-the-shelf UAVs. *Precision Agriculture*, pp. 1 – 17, 2019. BFI: 1, JIF: 4,454.
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- Xiao Hu, François Lauze, **Kim Steenstrup Pedersen**, and Jean Mélou. Absolute and Relative Pose Estimation in Refractive Multi View. In *Proceedings of 1st Workshop on Traditional Computer Vision in the Age of Deep Learning (TradiCV)*. Accepted for publication, 2021.
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- Wouter M. Kouw, Silas N. Ørting, Jens Petersen **Kim S. Pedersen**, and Marleen de Bruijne. A Cross-Center Smoothness Prior for Variational Bayesian Brain Tissue Segmentation. In *Proceedings of International Conference on Information Processing in Medical Imaging — IPMI 2019: Information Processing in Medical Imaging*. Springer, LNCS 11492, pp. 360–371, 2019.
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Technical Reports: (6)

- J. Rasmussen, J. Nielsen, J. C. Streibig, S. I. Olsen, **K. S. Pedersen**, and J. E. Jensen: Droner til monitorering af flerårigt ukrudt i korn. Miljøstyrelsen, 2016.
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