

# Curriculum Vitae

## Personal Data

Full name: **Kim Steenstrup Pedersen**  
Born: May 15th 1973, Roskilde, Denmark  
Civil status: Married and farther of 3 children  
Nationality: Danish  
Home address: Volosvej 4, 2300 København S  
Current employment: Lektor (Associate Professor), Dept. of Computer Science, University of Copenhagen  
Home page: <http://image.diku.dk/kimstp>

## Educational Background

2003 Ph.D. from the Department of Computer Science (DIKU), University of Copenhagen, Denmark.  
2001 Half year visit with Prof. David Mumford at Div. of Applied Math., Brown University, USA.  
1999 M.Sc. in Computer Science, the Department of Computer Science, University of Copenhagen.  
1997 B.Sc. in Computer Science, the Department of Computer Science, University of Copenhagen.

## Employment

2007 – present Associate Professor, Department of Computer Science, University of Copenhagen  
2012 – present Co-founder, co-owner and CTO of DigiCorpus ApS, <http://www.digicorpus.com>  
2012 – present Co-founder, co-owner and CEO of Schroll Pedersen Holding ApS  
2003 Assistant Professor, Department of Innovation, IT University of Copenhagen  
2003 Assistant Research Professor under the SNF grant “Computing Natural Shape” at the Department of Computer Science, University of Copenhagen, Denmark. (3 month)  
2000 – 2002 Ph.D. student at Department of Computer Science, University of Copenhagen  
1999 Part time job as medical image analysis research programmer at Pronosco (8 month)  
1997 – 1999 Part time job as software developer and project manager at ELK, ApS

## Periods of leave

2015 – 2016 3 month paternity leave (November - January)  
2008 – 2009 3 month paternity leave (November - January)  
2004 3 month paternity leave (August - October)  
1999 3 month military service (October – December)

## Managerial experience

2018 – present Head of Section, Section for Image Analysis, Computational Modelling and Geometry (IMAGE), Department of Computer Science, University of Copenhagen  
2016 – 2018 Head of Section, Image Section, Department of Computer Science, University of Copenhagen  
2010 Leadership Development for Heads of Research Groups, University of Copenhagen, Denmark  
2009 – 2012 Deputy Head of Department for Teaching, Department of Computer Science, University of Copenhagen

## Research project funding

Expanding the Tree of Life through a digital view of museum collections — PHYLORAMA (PI, Funded by UCPH Data+, DKK 2.116.051, 2020 – present)  
3 yr. Postdoc in Big Data and Machine Learning in Food Science and Food Processing Technology (PI, Funded by DIKU, Dept. of FOOD, and Foss Analytical A/S, 2019 – present)  
Railroad assets mapping (Industrial phd with COWI A/S, 2017 - present)  
Surveying the sky using machine learning — SkyML (Co-PI, DFF FNU (12-125149) project 2 grant, 2013 - 2016)  
Droner til monitorering af flerårigt ukrudt i korn (Co-PI, Miljøstyrelsen, Miljøministeriet, 2013 - 2016)  
Human Motion Imitation (HUMIM) (PI, internally funded project)  
VISIONTRAIN (Co-PI, EU funded Marie Curie Training Network with 11 international partners)  
Natural Image Sequence Analysis (Co-PI, DFF FNU framework grant no. 272-05-0256)  
French Embassy in Denmark grant for collaboration with P. Pérez, E. Mémin, and Francois Lauze  
Computing Natural Shape (Co-PI, SNF)

## Selected international and national collaborations (present and past):

Affiliated with the AI Centre, Faculty of Science, University of Copenhagen.  
Anders Dahl, Technical University of Denmark.  
Alexey Solodovnikov, the Natural History Museum of Denmark, University of Copenhagen.  
Anders Drud Jordan, the Natural History Museum of Denmark, University of Copenhagen.  
David R. Nash, Department of Biology, University of Copenhagen.  
Jesper Rasmussen, Dept. of Plant and Environmental Sciences, University of Copenhagen.  
Klavs Martin Sørensen, Dept. of Food, University of Copenhagen.  
Lars Nørgaard, Foss Analytical A/S.  
Marco Loog, Delft University of Technology, Holland.  
Anne Cuzol, Vannes, France.  
Ann B. Lee, Carnegie Mellon University, USA.  
David Mumford, Brown University, USA.  
Remco Duits, Technical University of Eindhoven, Holland.

## Ph.D. / Post Doc. Supervision and Master thesis production

Currently supervising 1 Post Doc researcher.  
Previously supervised 6 Ph.D. student and 4 Post Doc. researchers.  
Organized and taught on 8 different Ph.D. level courses and seminars.  
Have supervised and completed more than 40 Master theses.

## Honourable Research Services and Awards

- Program committee chair and editor of Scandinavian Conference on Image Analysis (SCIA), Copenhagen, 2015.
- Best paper award at the 3DPVT 2010 conference for the paper “On Recall Rate of Interest Point Detectors”. Henrik Aanæs, Anders Dahl and Kim Steenstrup Pedersen.
- Organising program committee member and editor of Scandinavian Conference on Image Analysis (SCIA), Aalborg, 2007.
- Program committee member of the 4th International Scale-Space Conference, Scotland, 2003.
- Reviewer at international conferences and journals such as: International Journal of Computer Vision, IEEE Transaction on Pattern Analysis and Machine Intelligence, IEEE Transaction on Image Processing, Journal of Mathematical Imaging and Vision, Electronic Letters on Computer Vision and Image Analysis, ICCV, ECCV, CVPR, MICCAI, SSVM, SCIA.

## Key research topics

His primary research interests include topics from computer vision, image analysis and machine learning, especially object recognition, tracking and motion models, stochastic image models, and natural image statistics. He has made contributions to the theoretical foundations of low-level vision including applications of machine learning to low-level vision. He is currently interested in applications of computer vision within natural history collections, astronomy, agriculture and precision farming, and industrial applications.

## Publications

Total number of publications in; international peer reviewed journals (14), peer reviewed conferences and workshops (35), other publications including special issues, proceeding books, and Ph.D. thesis (22).  
Google Scholar profile: <https://scholar.google.dk/citations?user=RzH2vKQAAAAJ>  
ORCID <http://orcid.org/0000-0003-3713-0960>