Postdoc in Computer Vision with Deep Learning for Material and Computational Design – DTU Compute

Hiring organization
Candidate-1st

Employment Type
Full-time

Beginning of employment
asap

Job Location
Kgs. Lyngby, Denmark

Working Hours
40

Base Salary
euro USD 30K - 56K *

Date posted
May 18, 2024

Description

Do you want to advance the state-of-the-art research in computer vision for material and computational design?

The Technical University of Denmark (DTU) invites applicants for a postdoctoral researcher. The position is offered at DTU, in the Department of Computer Science and Applied Mathematics, at the Visual Computing Group, and will work closely with researchers from the Royal Danish Academy. The position is part of the research project Matters which is funded by a Villum Synergy grant. Matters is focused on material and computational design for analyzing, characterizing and developing novel wood composite structures.

As part of the project, we offer two postdoc positions. The two postdocs will work closely together with the two project PI's, Professor MSO Isak Worre Foged (The Royal Danish Academy) and Associate Professor Dimitrios Papadopoulos (Technical University of Denmark). One postdoc is formally employed at the Royal Academy with the candidate expected to have a background in architecture, design, or engineering with previous studies in material and computational design. One postdoc is employed at the Technical University with the candidate expected to have a background in computer science with previous studies in computer vision and machine learning.

This project will be supervised by Associate Professor Dimitrios Papadopoulos and Professor MSO Isak Worre Foged.

The successful candidate will be based at DTU and will work closely with researchers from the Royal Danish Academy).

Qualifications
As a formal qualification, candidates must hold a PhD degree at the starting time of the PostDoc. Candidates should have a strong publication record in top tier venues in Computer Vision (CVPR, ECCV, ICCV) or Machine Learning (NeurIPS, ICLR, ICML).

We offer
DTU is a leading technical university globally recognized for the excellence of its research, education, innovation and scientific advice. We offer a rewarding and challenging job in an international environment. We strive for academic excellence in an environment characterized by collegial respect and academic freedom tempered by responsibility.

Salary and terms of employment
The appointment will be based on the collective agreement with the Danish Confederation of Professional Associations. The allowance will be agreed upon with the relevant union.

The period of employment is 1.5 years, and the position is full-time. We hope to fill the position by 15 August or as soon as possible thereafter.

You can read more about career paths at DTU here.

Further information
If you have questions, you are very welcome to contact Associate Professor Dimitrios Papadopoulos at dimp@dtu.dk.

If you are applying from abroad, you may find useful information on working in Denmark and at DTU at DTU – Moving to Denmark.

Application procedure
Your complete online application must be submitted no later than **30 May 2024 (23:59 Danish time)**. Applications must be submitted as **one PDF file** containing all materials to be given consideration. To apply, please open the link "Apply now", fill out the online application form, and attach **all your materials in English in one PDF file**. The file must include:

- A letter motivating the application (cover letter – 1 page)
- CV (up to 2 pages)
- List of publications
- Academic Diplomas (MSc/PhD – in English)

Applications received after the deadline will not be considered.

All interested candidates irrespective of age, gender, disability, race, religion, or ethnic background are encouraged to apply.

DTU Compute
DTU Compute is a unique and internationally recognized academic department with 385 employees and 11 research sections spanning the science disciplines mathematics, statistics, computer science, and engineering. We conduct research, teaching and innovation of high international standard – producing new knowledge and technology-based solutions to societal challenges. We have a long-term involvement in applied and interdisciplinary research, big data and data science, artificial intelligence (AI), internet of things (IoT), smart and secure societies, smart manufacturing, and life science. At DTU Compute we believe in a diverse workplace with a flexible work-life balance.

Technology for people
DTU develops technology for people. With our international elite research and study programmes, we are helping to create a better world and to solve the global challenges formulated in the UN's 17 Sustainable Development Goals. Hans Christian Ørsted founded DTU in 1829 with a clear mission to develop and create value using science and engineering to benefit society. That mission lives on today. DTU has 13,500 students and 6,000 employees. We work in an international atmosphere and have an inclusive, evolving, and informal working environment. DTU has campuses in all parts of Denmark and in Greenland, and we collaborate with the best universities around the world.

How the process will look like

Your teammates will gather all requirements within our organization. Then, once priority has been discussed, you will decide as a team on the best solutions and architecture to meet these needs. In continuous increments and continuous communication between the team and stakeholders, you're part of making data play an even more important (and understood) part withing Brand New Day.

Job Benefits

USD 30K – 56K *