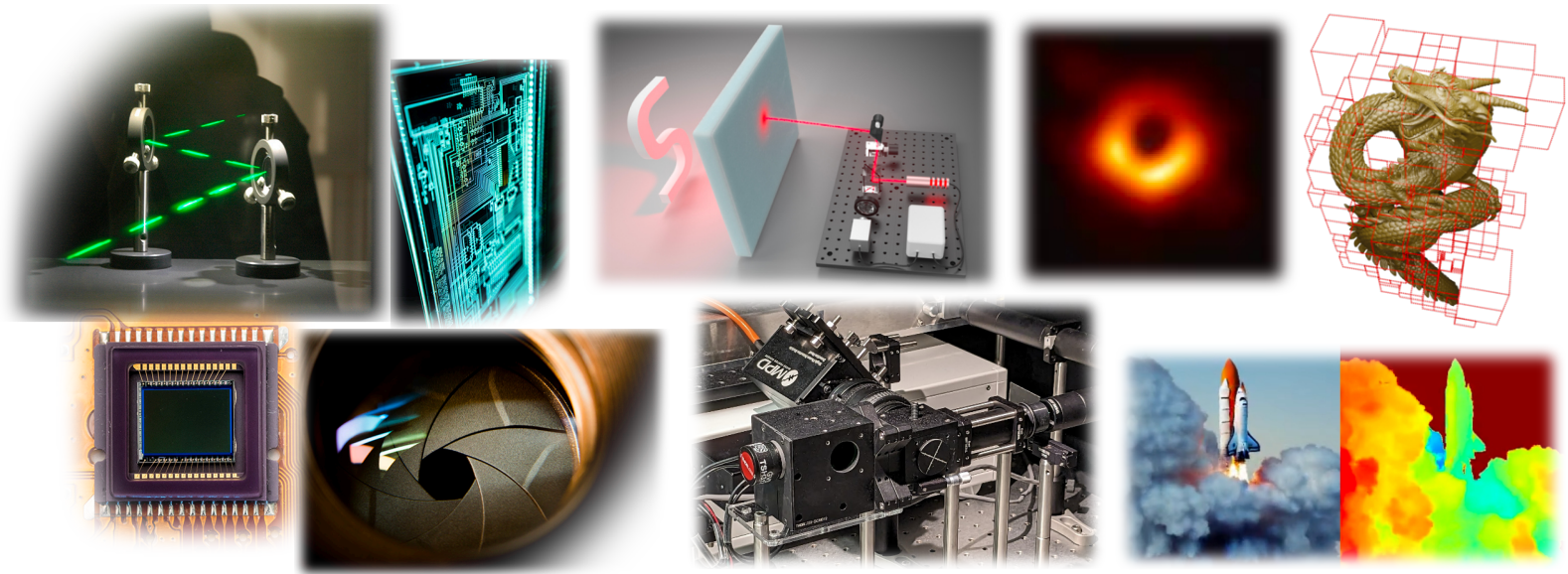




PostDoc Positions in Computational Imaging and Neural Rendering

The Toronto Computational Imaging group is looking for motivated post-doctoral researchers in the areas of computational imaging and neural rendering. The positions are fully funded (salary from 70K CAD) and additional fellowship opportunities are also available.



Topics: The specific research projects are flexible depending on experience and interest. Our aim is to develop techniques in imaging, 3D vision, and physics-based visual computing that lead to groundbreaking new capabilities. We have ongoing projects that include the following topics.

- adaptive optics for astronomy
- black hole imaging
- coherent lidar, single-photon lidar
- programmable-pixel image sensors
- single-photon imaging
- 3D/4D generative models and dynamic representations
- controllable neural representations
- digital human acquisition and modelling

Qualifications:

- PhD in computer science or related field
- track record of top-tier publications in computer vision, machine learning, graphics, or optics
- excellent verbal and written communication skills in English
- strong technical skills (coding in python, C++, CUDA), experimental skills (e.g., with optical/imaging setups)

About the Toronto Computational Imaging Group: Our multidisciplinary group has expertise spanning computer vision, graphics, machine learning, optimization, sensors, optics, and hardware design. Previously, the team has won best paper awards at major vision conferences (ICCV 2023, CVPR 2019), and our work has been published in high-profile interdisciplinary journals (Nature, Nature Communications).

To apply: submit a cover letter, CV, names of 2–3 references at <https://academicjobsonline.org/ajo/jobs/27178>
Applications will be considered until the positions are filled.

Webpage: <https://tcig.ca/>