

Alasdair Newson

Full Professor

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Nationality: British, French



Professional experience

- 2023- **Full Professor**, MAP5, Université Paris Cité.
- 2023-2026 **Lecturer**, Isir, Sorbonne Université.
- 2018-2023 **Associate Professor (Maître de Conférences)**, Télécom Paris, Palaiseau, France.
- 2017-2018 **Postdoc, image processing**, Télécom Paris, Paris, France.
Autoencoding simple shapes in images, with Yann Gousseau and Saïd Ladjal.
- 2015-2016 **Postdoc, image processing**, Université Paris Descartes, Paris, France.
Modelling and synthesis of textures for the reproduction of film grain, with Julie Delon and Bruno Galerne.
- 2014-2015 **Postdoc, computer vision**, Duke University, United-States.
Background/foreground separation for video surveillance, with Guillermo Sapiro.
- 2010 **Internship, Technicolor R&I, Cesson-Sévigné, France** Development of an algorithm for logo removal, and its parallel implementation on a NVIDIA GPU.

Education

- 2011–2014 **PhD**, Télécom ParisTech and Technicolor, Paris and Cesson-Sévigné.
"On Video Restoration and Editing : Scratch Detection and Inpainting of Complex Scenes", with Andrés Almansa, Yann Gousseau et Patrick Pérez.
- 2005–2010 **Engineering diploma (equivalent to Master's degree)**, Université de Technologie de Compiègne (UTC), Compiègne.
Computer Science engineering, speciality : real-time and embedded systems.

Research interests

Image and video processing, deep learning, inpainting, image restoration, image modelling.

Distinctions and awards

- 2021 ANR "Jeunes Chercheuses et Jeunes Chercheurs" research grant, for 1 PhD and 1 postdoc
- 2016 Rank Prize Funds symposium on Computer Vision and Video Effects Generation, honorable mention, 2016

2013 Google best student paper award, CVMP 2013.

Organisation of scientific tasks

2022- Co-organisation of the “Imaging in Paris” seminars, at the Institut Henri Poincaré (Paris) : <https://imaging-in-paris.github.io/seminar/>

Paper reviewing tasks: AAAI, CVIU, Eurographics, ICIP, IPOL, JMLC, JMIV, PAMI, Siggraph, SIIMS, SSVM, TIP

Computer Science skills

Programming/modelling C/C++, Matlab, Python (Tensorflow, Pytorch), programmation parallèle (CUDA), Ada, VHDL, Linux, OSX, Windows.

Languages

English English/French (bilingual), German (intermediate), Spanish (intermediate)

International experience

Having lived in Canada, France, Germany, Great-Britain, and in the United-States, I enjoy discovering new cultures and can easily adapt to new professional environments.