

Presentation by

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in Computer
Science**

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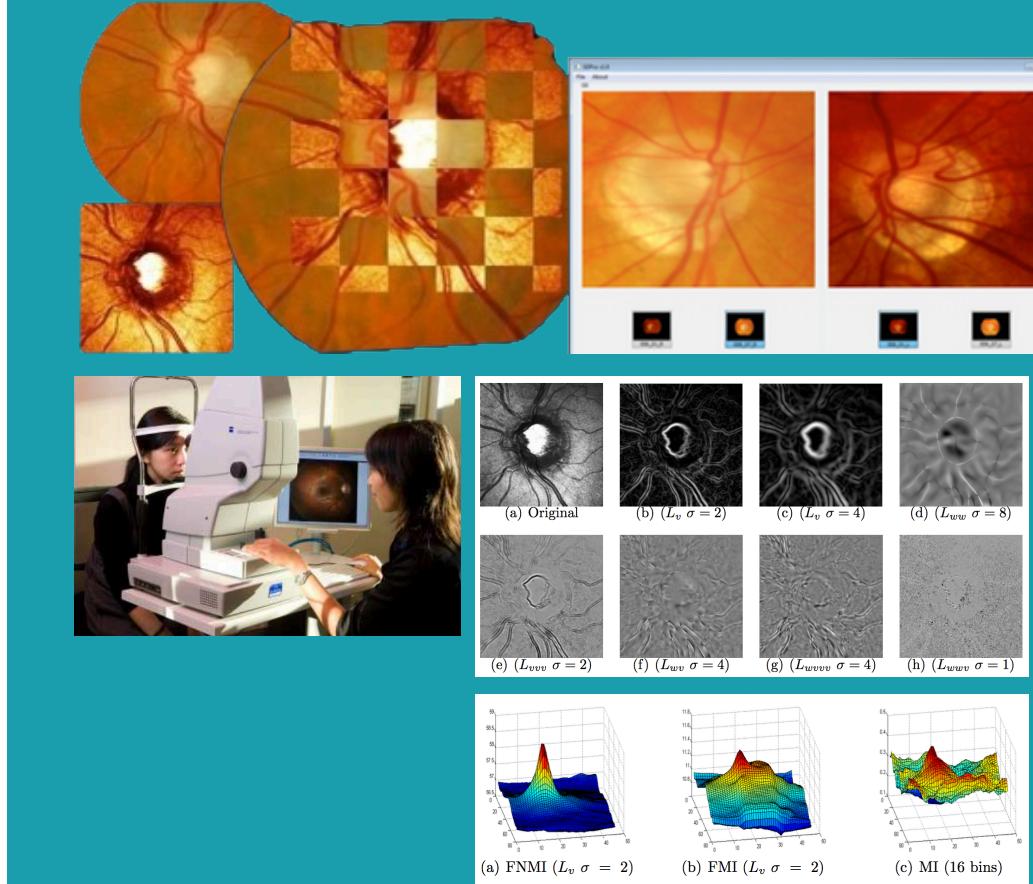
Hello!

Background

Background

PhD Cardiff University
(2006-2010)

- Computer Vision
- Machine Learning
- Search Optimisation
- Grading Classification



Background

PDRA Swansea University
(2010-2013)

- Visualisation
- Data Analytics
- Machine Learning



Background

PDRA University of Oxford
(2013-2015)

- Cyber security
- Insider Threat Detection
- Machine Learning
- Visual Analytics



Background

Senior Lecturer at UWE
(2015-Present)

- Security Data Analytics and Visualisation
- (Inter) Active Machine Learning
- Collaborative Human-Machine Interaction



What

now?

What Now?

What Now?

*“How can we understand and reason about
machine learning processes using
interactive visualisation techniques?”*

What Now?

*“How can we understand and reason about
machine learning processes using
interactive visualisation techniques?”*

*“How do we inspect and convey complex detail
about ‘deep learning’ processes in a
clear understandable manner?”*

What Now?

What Now?

“How can human processes collaborate with machine learning processes to promote transparency and trust in system and user functionality?”

What Now?

“How can human processes collaborate with machine learning processes to promote transparency and trust in system and user functionality?”

“Can the user learn about the machine processes whilst the machine learns about the human process?”

What Now?

What Now?

“Can active and pro-active forms of machine learning provide greater human-machine collaboration?”

What Now?

“Can active and pro-active forms of machine learning provide greater human-machine collaboration?”

“Can we measure confidence, consistency, and correctness in human-machine collaborations?”

Thank you



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