Hazel Doughty
4th year PhD student, University of Bristol

Email Hazel.Doughty@bristol.ac.uk
Web https://hazeldoughty.github.io

Research Interests

Computer Vision, Egocentric (First-Person) Vision, Video Understanding, Machine Learning, Artificial Intelligence.

Education

2016 – Now
Exp grad: Sep 2020

PhD Student in Computer Vision, EPSRC DTP Funding, Department of Computer Science, University of Bristol
Supervisors: Walterio Mayol-Cuevas, Dima Damen
Thesis: Skill Determination from Long Videos
EPSRC Project Glance (EP/N013964/1)

2012-2016

MEng in Computer Science (First Class – Top Ranked Graduate)
Department of Computer Science, University of Bristol

Publications

Google Scholar: https://scholar.google.com/citations?user=b3koBVwAAAAJ&hl=en

(2020) H Doughty, I Laptev, W Mayol-Cuevas, D Damen. Action Modifiers: Learning from Adverbs in Instructional Videos. IEEE/CVF Computer Vision and Pattern Recognition (CVPR).

(2019) H Doughty, W Mayol-Cuevas, D Damen. The Pros and Cons: Rank-aware Temporal Attention for Skill Determination in Long Videos. IEEE/CVF Computer Vision and Pattern Recognition (CVPR).

(2019) B Sullivan, H Doughty, W Mayol-Cuevas, D Damen, C Ludwig, I Gilchrist. Detecting Uncertainty While Assembling a Camping Tent. Perception

(2018) D Damen, H Doughty, GM Farinella, S Fidler, A Furnari, E Kazakos, D Moltisanti, J Munro, T Perrett, W Price, M Wray. Scaling Egocentric Vision: The EPIC-KITCHENS Dataset. European Conference on Computer Vision (ECCV).

(2018) H Doughty, D Damen, W Mayol-Cuevas. Who's Better? Who's Best? Pairwise Deep Ranking for Skill Determination. IEEE/CVF Computer Vision and Pattern Recognition (CVPR).

(2016) U Leonards, H Doughty, D Damen. Revealing nudging effects of floor patterns on walking trajectories in the real world. Perception.

Public Datasets

Bristol Everyday Skill Tasks (BEST) [https://github.com/hazeld/rank-aware-attention-network]

EPIC-Kitchens 2018 [http://epic-kitchens.github.io/]

EPIC-Skills Dataset 2018

Internships

2019 Research visit to INRIA Willow (Paris), working with Prof Ivan Laptev

2015 Interdisciplinary Research Internship, University of Bristol, working with Prof Ute Leonards

2014 Research internship, Interaction and Graphics Group, University of Bristol

Awards, Honours and Distinctions

Doctoral Training Programme Funding (2016 – now)
Top graduating MEng Student, Department of Computer Science (2016)
Best Research MEng project, Department of Computer Science (2016)
Best Third Year Group Project, Department of Computer Science (2015)
Top-10 2nd Year Students in Computer Science (2014)
Top-5 1st Year Students in Computer Science (2013)

Reviewing Duties

IEEE/CVF International Conference of Computer Vision and Pattern Recognition (CVPR), 2020

AAAI Conference on Artificial Intelligence, 2020

IEEE/CVF International Conference of Computer Vision (ICCV), 2019

Organisation

Co-Organiser for Women in Computer Vision Workshop, CVPR 2020

Co-Organiser for Egocentric Perception, Interaction and Computing Workshop, CVPR 2020