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Lecturer

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**Summary**

My Research Area is Computer Vision

**Expertise**

I am a member of the Visual Information Laboratory research group. Visual Information Laboratory currently represents a grouping of 38 permanent academic staff and some 70 researchers at Bristol working on vision and imaging research and its engineering applications.

**Keywords**

- computer vision

**Biography**

I am a Lecturer at the University of Bristol, in the Department of Computer Science.

**Keywords**

- computer vision

**Memberships**

**Organisations**

[Department of Computer Science](#)

**Other sites**

- [Computerscience](#)

**Research Groups**

- [Visual Information Laboratory](#)
- [Engineering Education - Core](#)

**Recent publications**

- Lopez, VP, Burghardt, T, Sun, Y, Hannuna, S, Aldamen, D & Mirmehdi, M, 2019, '[Deep Compact Person Re-Identification with Distractor Synthesis via Guided DC-GANs](#)'. in: *International Conference on Image Analysis and Processing: Lecture Notes in Computer Science*. Springer, pp. 488-498

- Tao, L, Burghardt, T, Mirmehdi, M, Damen, D, Cooper, A, Camplani, M, Hannuna, S, Paiement, A & Craddock, I, 2018, '[Energy expenditure estimation using visual and inertial sensors](#)'. *IET Computer Vision*, vol 12., pp. 36-47
- Statham, P, Campbell, N, Hannuna, S, Moolan-Feroze, O, Loftus, B, Monte, F, Browne, W & Mendl, M, 2018, '[The Defence Cascade as an on-farm measure of welfare](#)'. in: *ISAE UK & Ireland Regional Meeting: Langford, Bristol, UK* .
- Elsts, A, Burghardt, T, Byrne, D, Camplani, M, Damen, D, Fafoutis, X, Hannuna, S, Harwin, W, Holmes, M, Janko, B, Lopez, VP, Masullo, A, Mirmehdi, M, Oikonomou, G, Piechocki, R, Sherratt, S, Tonkin, EL, Twomey, N, Vafeas, A, Woznowski, PR & Craddock, I, 2018, '[A Guide to the SPHERE 100 Homes Study Dataset](#)'.
- Masullo, A, Burghardt, T, Damen, D, Hannuna, S, Lopez, VP & Mirmehdi, M, 2018, '[CaloriNet: From silhouettes to calorie estimation in private environments](#)'.
- Soleimani, V, Mirmehdi, M, Damen, D, Camplani, M, Hannuna, S, Sharp, C & Dodd, J, 2018, '[Depth-based Whole Body Photoplethysmography in Remote Pulmonary Function Testing](#)'. *IEEE Transactions on Biomedical Engineering*, vol 65., pp. 1421-1431
- Tao, L, Burghardt, T, Mirmehdi, M, Damen, D, Cooper, A, Hannuna, S, Camplani, M, Paiement, A & Craddock, I, 2017, '[Calorie counter: RGB-depth visual estimation of energy expenditure at home](#)'. in: *Computer Vision - ACCV 2016 Workshops: ACCV 2016 International Workshops, Revised Selected Papers*. Springer-Verlag Berlin, pp. 239-251
- Camplani, M, Paiement, A, Mirmehdi, M, Damen, D, Hannuna, S, Burghardt, T & Tao, L, 2017, '[Multiple human tracking in RGB-depth data: a survey](#)'. *IET Computer Vision*, vol 11., pp. 265-285
- Sharp, C, Soleimani, V, Hannuna, S, Camplani, M, Damen, D, Viner, J, Mirmehdi, M & Dodd, JW, 2017, '[Toward respiratory assessment using depth measurements from a time-of-flight sensor](#)'. *Frontiers in Physiology*, vol 8.
- Woznowski, PR, Burrows, A, Diethel, T, Fafoutis, X, Hall, J, Hannuna, S, Camplani, M, Twomey, N, Kozlowski, M, Tan, B, Zhu, N, Elsts, A, Vafeas, A, Paiement, A, Tao, L, Mirmehdi, M, Burghardt, T, Damen, D, Flach, P, Piechocki, R, Craddock, I & Oikonomou, G, 2017, '[SPHERE: A sensor platform for healthcare in a residential environment](#)'. in: Vangelis Angelakis, Elias Tragos, Henrich C Pöhls, Adam Kapovits, Alessandro Bassi (eds) *Designing, Developing, and Facilitating Smart Cities: Urban Design to IoT Solutions*. Springer, pp. 315-333

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