

## Curriculum Vitae Tinne Tuytelaars

### Short CV

Date of birth: 09/09/1973

Nationality: Belgian

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<https://scholar.google.be/citations?user=EuFF9kUAAAAJ>

Tinne Tuytelaars is full professor (gewoon hoogleraar) at KU Leuven's Electrical Engineering Department (ESAT). She's a member of the Center for Processing Speech and Images (PSI) and the Leuven.ai institute of KU Leuven. Her research focuses on computer vision, and in particular image/video representations, continual learning and multi-modal analysis (images and text).

She obtained a master in Electrical Engineering from KU Leuven in 1996, followed by a PhD degree in 2000. Since then, she has been affiliated with KU Leuven, with short research visits to INRIA Grenoble (parttime, 2006), ANU Canberra (3 months, 2008) and UC Berkeley (3 months, 2010).

### Scientific awards

In 2009 and in 2021, she was awarded a prestigious ERC Starting/Advanced Researcher Grant. She also received a BARCO master thesis award in 1996, the ACIVS best paper award in 2011, the CVIU most cited paper award in 2011, the ICPRAM best paper award in 2012, a couple of best workshop paper awards, and the Koenderink Award at ECCV 2016 ("for fundamental contributions in computer vision that stood the test of time"). She's a Fellow of the European Laboratory of Learning and Intelligent Systems (ELLIS).

### Services to the community

She has been area editor and then associate-editor-in-chief of IEEE Transactions of Pattern Analysis and Machine Intelligence (IF 17.8) from 2014-2018, area editor of Computer Vision and Image Understanding (IF 3.1) from 2009-2018, and area editor of the International Journal on Computer Vision (IF 6.1) since 2018. Currently, she is one of the moderators for the cs.CV field for arxiv. She has been one of the program chairs of ECCV2014 (1600 attendees), one of the general chairs of CVPR2016 (3600 attendees), and one of the program chairs of CVPR2021 (7000 submissions). She regularly serves as area chair for these conferences (ECCV 2008, 2010, 2012, 2018, 2020; CVPR 2009, 2011, 2013, 2019, 2022; ICCV 2011, 2013). She has also been a member of the ERC consolidator grant evaluation panel PE6 in 2018, 2020. Within KU Leuven, she has been a member of the scientific research council (member of the executive board from 2018-2020) and of the industrial research council.

### Research output

She has co-authored 160+ peer-reviewed conference and journal publications, an h-index of 69 and total number of citations exceeding 59.000 (according to google Scholar).

### Research supervision

Tinne Tuytelaars currently supervises a team of 12 PhD students and 2 postdoc. To date, she has graduated a total of 25 PhD students and supervised 8 postdocs. Many of these have taken up professor positions themselves (e.g. Hakan Bilen, University of Edinburgh; Efstratios Gavves, University of Amsterdam; Toon Goedemé, KU Leuven; Marco Pedersoli, ETS Montreal; Tatiana Tommasi, Politecnico di Torino; Reyes Rios-Cabrera, Cinvestav Mexico; Xu Jia, Dalian University; Yu Liu, Dalian University) or moved to research positions in industry (e.g. Google, DeepMind, Huawei, Ford, Toyota).

## Career breaks

Tinne's academic career has been interrupted twice due to maternity leave: once in 2002 (august-december) and once in 2004 (august-december).

## Five main publications

1. H. Bay, A. Ess, T. Tuytelaars, L. Van Gool, Speeded-up robust features (SURF), Computer vision and image understanding 110 (3), 346-359, 2008. (IF 3,1; 12366 citations + 19981 for conference paper)
2. B. Fernando, A. Habrard, M. Sebban, T. Tuytelaars, Unsupervised visual domain adaptation using subspace alignment, Proceedings of the IEEE International Conference on Computer Vision, pp. 2960-2967, 2013. (1081 citations)
3. B. De Brabandere, X. Jia, T. Tuytelaars, L. Van Gool, Dynamic Filter Networks, Proceedings for the Neural Information Processing Systems, 2016. (630 citations)
4. B. Fernando, E. Gavves, J.M. Oramas, A. Ghodrati, T. Tuytelaars, Rank pooling for action recognition, IEEE Transactions on Pattern Analysis and Machine Intelligence, 39 (4), 773-787, 2017. (IF 9,455; 274 citations + 488 citations for conference paper)
5. R. Aljundi, F. Babiloni, M. Elhoseiny, M. Rohrbach, T. Tuytelaars, Memory aware synapses: Learning what (not) to forget, European Conference on Computer Vision (ECCV), pp. 139-154, 2018 (439 citations)

## Other scientific output and impact

### Selected Invited Talks

- Keynote speaker at Image Processing Theory, Tools and Applications, Montreal, 2017
- Keynote speaker Indian Conference on Computer Vision, Graphics and Image Processing (ICVGIP), Hyderabad, 2018.
- Keynote speaker European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML-PKDD), Wurzburg, 2019.
- Keynote speaker Chinese Conference on Pattern Recognition and Computer Vision (PRCV), Xi'an, 2019.
- Keynote speaker International Joint Conference on Artificial Intelligence (IJCA) – Pacific Rim International Conference on AI (PRICAI), 2020.
- AIDA AI Excellence lecture “Keep on Learning without Forgetting”, 26/1/2021
- Keynote speaker at International Conference on Pattern Recognition Applications and Methods (ICPRAM), 2022

### Patent

Robust Interest Point Detector and Descriptor, European Patent Office, EP1850270, WO/2007/128452, 2007.

Self-supervised estimation of observed vehicle pose, P Chakravarty, T Tuytelaars, C Picron, T Roussel - US Patent App. 16/895,267, 2021