

# Thomas Mensink

*Assistant Professor 3D Deep Learning*

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Born February 5, 1982, Utrecht, the Netherlands

## Current Position

since 2017 **Assistant Professor 3D Deep Learning**, *University of Amsterdam*  
Funded in part by personal NWO VENI grant

## Education

- 2009–2012 **PhD Learning Image Classification and Retrieval Models**,  
*University of Grenoble, France*  
Research at LEAR - INRIA Grenoble and Xerox Research Centre Europe  
Advised by Dr. Jakob Verbeek, Dr. Gabriela Csurka and Dr. Cordelia Schmid  
*Awarded with AFRIF Prix de Thèse*
- 2004–2007 **MSc Artificial Intelligence**, *University of Amsterdam, with honours*
- 2001–2004 **BSc Artificial Intelligence**, *University of Amsterdam*

## Academic Experience

- 2016 **Visiting Researcher**, *University of California, Berkeley (UCB)*  
Advised by Prof. Trevor Darrell, duration 3 months
- 2013 – 2017 **Postdoctoral Scholar**, *Informatics Institute, University of Amsterdam*  
Advised by dr. Cees Snoek, funded in part by personal NWO VENI grant (2016)
- 2012 – 2013 **Postdoctoral Scholar**, *Informatics Institute, University of Amsterdam*  
Advised by Prof. Theo Gevers
- 2011 **Visiting Researcher**, *NICTA, Canberra*  
Advised by Dr. Tiberio Caetano, duration 3 months
- 2009 **Pre-PhD-Intern**, *LEAR, INRIA Grenoble*  
Advised by Dr. Jakob Verbeek and Dr. Cordelia Schmid, duration 8 months
- 2008 **Junior Researcher**, *SNN, Radboud University, Nijmegen*  
Advised by Prof. Hilbert Kappen, duration 6 months
- 2007 **Post-MSc-Intern**, *LEAR, INRIA Grenoble*  
Advised by Dr. Jakob Verbeek, duration 7 months, funded by VSBfonds grant
- 2005 **Summer Intern: IBM Extreme blue**, *IBM Amsterdam*

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## Awards & Grants

### Awards

- 2017 **Outstanding Reviewer**, *Conference on Computer Vision and Pattern Recognition*
- 2016 **Best paper**, *ACM International Conference on Multimedia Retrieval*  
For *Pooling Objects for Recognizing Scenes without Examples*, with Svetlana and Cees  
**Outstanding Reviewer**, *ACM International Conference on Multimedia Retrieval*
- 2014 **Best paper**, *ACM Multimedia Conference*  
For *VideoStory: A New Embedding for Few-Example Recognition*, with Amir and Cees
- 2013 **Best PhD thesis**, *in computer vision in France (AFRIF Prix de thèse)*  
**Best Reviewer**, *IEEE International Conference on Computer Vision*
- 2010 **Best PhD student**, *International Computer Vision Summer School*  
**Winner ImageCLEF**, *Visual concept detection task challenge*  
**Honorable mention**, *Image-Net large-scale visual recognition challenge*
- 2007 **Graduation with distinction (cum laude)**, *MSc. Artificial Intelligence, UvA*

### Grants

- 2016 **Spotting Audio-Visual Inconsistencies (SAVI)**, *co-applicant, UvA: 500K€*  
With Dr. Bob Bolles from SRI (USA) and Dr. Sébastien Marcel from IDIAP (Swiss).
- 2015 **NWO VENI: What&Where**, *applicant, 250K€*  
**COMMIT Valorisation**, *applicant, with VideoDock & NIST*  
**ICCV Young Researcher travel grant**
- 2014 **COMMIT Valorisation**, *applicant, with Ordina*  
**Amsterdam Data Science**, *applicant, funds 0.2 FTE research assistant for 1 year*  
**UvA Grassroots**, *applicant, for ICT innovation in education*
- 2010 **ECCAI travel grant**
- 2009 **ANRT Cifre grant**, *co-applicant, 42K€, funded in part my PhD research*
- 2007 **VSBFonds grant**, *applicant, 5K€, funded INRIA research internship*

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## Teaching & Supervision

### Teaching

- 2017 **Applied Machine Learning**, *Upcoming (fall term), MSc Information Studies, UvA*  
**Computer Vision II**, *guest lecture, co-coordinator, MSc AI, UvA*  
**Computer Vision I**, *guest lecture, MSc AI, UvA*
- 2016 **Applied Machine Learning & Visual Search Engines**, *6 ECTS, MSc level, UvA*  
Design, coordinate and lecture these new combined courses for Information Studies Masters  
**Computer Vision II**, *guest lecture, MSc level, UvA*
- 2015 **Visual Search Engines**, *coordinator and lecturer, 6 ECTS, MSc level, UvA*
- 2014 **Visual Search Engines**, *lecturer and lab-coordinator, 6 ECTS, MSc level, UvA*  
**Computer Vision by Learning**, *guest lecture, Graduate level, ASCI*  
**Profile Project AI**, *supervisor of 1 team, 6 ECTS, MSc level, UvA*

- 2013 **Individual research project AI**, *supervisor*, 6 ECTS, 2 months, MSc level, UvA  
**Multimedia Inf. Systems**, *lecturer and lab-coordinator*, 6 ECTS, MSc level, UvA  
**Profile Project AI**, *supervisor of 2 teams*, 6 ECTS, MSc level, UvA
- 2002 – 2008 **Teaching and lab assistant**, *for several BSc courses and student counselor*, UvA

#### Supervision of MSc and BSc thesis

- 2017 **Daniël Bartolomé-Rojas**, *MSc IS*  
**Diederik Beker**, *MSc IS*  
**Ysbrand Galema**, *MSc AI*  
**Michal Kozal**, *MSc IS*  
**Caitlin Lagrand**, *BSc AI*  
**Sébastien Negrijn**, *MSc AI*  
**Yu-Ri Tan**, *MSc IS*  
**Madli Uutma**, *MSc IS*  
**Bastiaan Waanders**, *MSc IS*  
**Aeron Yung**, *MSc IS*
- 2015-2017 **Thomas Jongstra**, *MSc AI*, Directors Cut: Beat-based video summarization  
 Published in ICMR'17
- 2015 **Koen Cuijpers**, *MSc IS*, Explaining Image Retrieval with Classification  
**Ysbrand Galema**, *BSc AI*, Recognising Plastic in Ocean Water Images
- 2014 **Markus Nagel**, *MSc AI*, Fisher vectors for image collections  
 Published in BMVC'14

#### Supervision of PhD students

- 2013 – 2017 **Spencer Cappallo**, *PhD*, *daily supervisor*, Predicting visual trends  
 2013 – 2016 **Amirhossein Habibian**, *PhD*, *daily co-supervisor*, Few shot video event detection

#### International professional tutorials

- 2017 **Zero-Shot Learning for Computer Vision**, *CVPR*  
 2016 **Zero-Shot Learning for Vision and Multimedia**, *ECCV*

#### Followed Courses and Training

- 2016 **Academic Leadership**, *offered to VENI laureates by the Rector Magnificus*, UvA  
**Our Future Leaders**, *young professional leadership course*, The Recess College
- 2014 **BKO/UTQ certificate**, *university teaching qualification*, UvA
- 2012 **Visual Recognition and Machine Learning Summer School**, *Grenoble*
- 2010 **International Computer Vision Summer School**, *Sicily*  
**Visual Recognition and Machine Learning Summer School**, *Grenoble*
- 2009 **Machine Learning Summer School**, *Cambridge*

#### Invited Talks

- 2016 **Invited Demonstration**, *CalorieWatcher*, ACM Multimedia Tech Expo, Amsterdam  
**Invited tutorial**, German Conference on Pattern Recognition, Hannover, Germany

- Presentation**, Stanford University, USA  
**Presentation**, Google Mountain View, USA  
**Presentation**, *Winter retreat*, UC Berkeley, USA
- 2015 **Presentation**, UvA Jong TED Talks  
**Pitch**, Opening Qualcomm-UvA Deep Learning and Vision Lab  
**Demonstration**, *CalorieWatcher*, UvA/VU Informatics Outing  
**Pitch**, *CalorieWatcher*, Commit Community Days
- 2014 **TRECVID workshop**, *Presentation*, Orlando, USA  
**Keynote at Parts and Attributes Workshop**, with ECCV, Zürich, Swiss  
**Presentation at NVPBV Meeting**, Amsterdam, the Netherlands  
**Presentation at NL Conf. on Computer Vision**, Ermelo  
**Keynote at Machine Learning Workshop**, Linköping University, Sweden  
**Seminar at LEAR**, INRIA Grenoble, France
- 2013 **Presentation at IPAB colloquium**, University of Edinburgh  
**Keynote at Croatian Computer Vision Workshop**, University of Zagreb, Croatia  
**Keynote at ORASIS conference**, Cluny, France  
**Seminar at Pattern Recognition Lab**, TU-Delft, the Netherlands  
**Presentation at ISLA Colloquium**, University of Amsterdam, the Netherlands
- 2012 **Seminar at IST**, Vienna, Austria
- 2011 **Seminar at BIWI**, ETH, Zurich, Swiss  
**Seminar at SML**, NICTA, Canberra, Australia
- 2010 **Presentation at PASCAL VOC Workshop**, with ECCV, Heraklion, Greece

## Academic Services

### Organisation

- 2017 Co-organiser of 5th Workshop on Web-scale Vision and Social Media, with ICCV
- 2016 Local chair of European Conference on Computer Vision  
Co-organiser of 4th Workshop on Web-scale Vision and Social Media, with ECCV
- 2015 Chair of Netherlands Conference on Computer Vision  
Co-organiser of 3rd Workshop on Web-scale Vision and Social Media, with ICCV  
Web-chair of Conference on Uncertainty in AI (UAI)
- 2014 Co-organiser of 2nd Workshop on Web-scale Vision and Social Media, with CVPR  
Social program co-chair of Netherlands Conference on Computer Vision  
Organiser and initiator of DeepNet Bootcamp, ISLA, UvA
- 2011 Volunteer at Conference on Neural Information Processing Systems (NIPS)
- 2010 Volunteer at Visual Recognition and Machine Learning Summer School
- 2008 Volunteer at European Conference on Computer Vision (ECCV)

### Member of PhD Committee

- 2016 **Masoud Mazloom**, *In Search of Video Event Semantics*, University of Amsterdam
- 2017 **Silvia Pinteá**, *Continuous Learning in Computer Vision*, University of Amsterdam

## Guest Editor

2016 **Special Issue: Computer Vision and the Web**, *Guest co-editor*, Elsevier, CVIU

## Reviewer

TPAMI	2013 – 2017	IJCV	2014 – 2017
TMM	2012 – 2014	CVPR	2011 – 2017
ICCV	2013 – 2017	ECCV	2012 – 2016
ACMMM	2014 – 2015	ICMR	2014 – 2017

Miscellaneous Conferences: ICMLR 2017, NIPS 2015, BMVC 2012, SIGIR 2015, IJCAI 2015, WACV 2016  
Journals: IEEE: TIP, TNNLS & SPM (2012 – 2015); Elsevier: CVIU & IVC (2011 – 2015)  
Grant proposals: FWF (Austrian Science Fund)

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## Outreach & Media

### Media

- 2016 **ICMR Best paper award**, *was mentioned in UvA News*
- 2015 **Emoji2video**, *featured at: MIT Technology review, BNR news radio, and also at: Telegraph.co.uk, Dutch Cowboys, LINDA, Commit-NL, & UvA*  
**Visual popularity on Twitter**, *appeared on Commit-NL, UvA (NL), & UvA (EN)*  
**VideoStory**, *search in a sea of videos, in Scientias (NL)*  
**VideoStory**, *teaching machines to interpret video footage, in Amsterdam Science*
- 2014 **ACM MM Best paper award**, *was mentioned in UvA News*

### Outreach

- 2017 **Beta in de Binnenstad**, *invited presentation (Spui25), Quantifying Love*
- 2015 **Scherpte Diepte Symposium**, *invited presentation*  
**UvA Sciencepark Opendag**, *presentation and demo*  
**NEMO-Klokhuis vragendag**, *day for kids to ask science questions*  
**VOGIN-IP meeting of information professionals**, *invited presentation*
- 2014 **Applied Machine Learning Meet-up Amsterdam**, *invited presentation*
- 2013 **Rekenbuddy**, *project to stimulate math skills of primary school children*

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## Miscellaneous

- Sports **Cycling**, *Road cycling and touring, a.o., Route des Grandes Alpes (France, 2013), Prague – Poreč – Venice (2013) & Waddenzee route (Netherlands, 2015)*  
**Running**, *Half-Marathon, Lac du Annecy (2010), Egmond (2013), Amsterdam (2014)*  
**Skien**, *Downhill and ski-touring, a.o., Haute Route des Ecrins (2012)*

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## Publications

In computer vision the two main journals are the *IEEE Transactions on Pattern Analysis and Machine Intelligence* and the *International Journal of Computer Vision* with acceptance rates below 30%. The three main conferences of computer vision are the *IEEE International Conference on Computer*

Vision, the *IEEE International Conference on Computer Vision and Pattern Recognition* and the *European Conference on Computer Vision*. These conferences are very selective — in general less than 25% of the submitted articles are accepted — and their proceedings play a role which is as important as international journals.

My total number of citations is 4580, my i10-index is 28, and my h-index is 20, according to [Google scholar](#) (retrieved 21 Mar 2018). Below the number of citations are indicated for my 20 most cited publications, all publications and additional materials are available from [my website](#).

### Key Publications

- [K6] A. Habibian, **T. Mensink**, and C. Snoek. “VideoStory: A New Multimedia Embedding for Few-Example Recognition and Translation of Events”. In: *ACM International Conference on Multimedia (ACMMM)*. **Best paper award, 81 citations**. 2014.
- [K5] **T. Mensink**, E. Gavves, and C. Snoek. “COSTA: Co-Occurrence Statistics for Zero-Shot Classification”. In: *Conference on Computer Vision and Pattern Recognition (CVPR)*. **108 citations**. 2014.
- [K4] **T. Mensink**, J. Verbeek, F. Perronnin, and G. Csurka. “Distance-Based Image Classification: Generalizing to New Classes at Near Zero Cost”. In: *Transactions on Pattern Analysis and Machine Intelligence (PAMI)* (2013). **121 citations**.
- [K3] J. Sánchez, F. Perronnin, **T. Mensink**, and J. Verbeek. “Image Classification with the Fisher Vector: Theory and Practice”. In: *International Journal on Computer Vision (IJCV)* (2013). **862 citations**.
- [K2] **T. Mensink**, J. Verbeek, and G. Csurka. “Tree-structured CRF Models for Interactive Image Labeling”. In: *Transactions on Pattern Analysis and Machine Intelligence (PAMI)* (2012). **29 citations**.
- [K1] M. Guillaumin, **T. Mensink**, J. Verbeek, and C. Schmid. “TagProp: Discriminative Metric Learning in Nearest Neighbor Models for Image Auto-Annotation”. In: *International Conference on Computer Vision (ICCV)*. **Oral, acceptance rate 3.8%, 560 citations**. 2009.

### ArXiv Pre-Prints

- [A1] S. Cappallo, S. Svetlichnaya, P. Garrigues, **T. Mensink**, and C. Snoek. “The New Modality: Emoji Challenges in Prediction, Anticipation, and Retrieval”. **ArXivpreprint (1801.10253)**. 2018.

### Articles

- [J6] A. Habibian, **T. Mensink**, and C. Snoek. “Video2vec Embeddings Recognize Events when Examples are Scarce”. In: *Transactions on Pattern Analysis and Machine Intelligence (PAMI)* (2016). **to appear**.
- [J5] I. Everts, J. van Gemert, **T. Mensink**, and T. Gevers. “Robustifying Descriptor Instability using Fisher Vectors”. In: *Transactions on Image Processing (TIP)* (2014).
- [J4] **T. Mensink**, J. Verbeek, F. Perronnin, and G. Csurka. “Distance-Based Image Classification: Generalizing to New Classes at Near Zero Cost”. In: *Transactions on Pattern Analysis and Machine Intelligence (PAMI)* (2013). **121 citations**.
- [J3] J. Sánchez, F. Perronnin, **T. Mensink**, and J. Verbeek. “Image Classification with the Fisher Vector: Theory and Practice”. In: *International Journal on Computer Vision (IJCV)* (2013). **862 citations**.

- [J2] M. Guillaumin, **T. Mensink**, J. Verbeek, and C. Schmid. “Face recognition from caption-based supervision”. In: *International Journal on Computer Vision (IJCV)* 96.1 (2012). **75 citations**, pp. 64–82.
- [J1] **T. Mensink**, J. Verbeek, and G. Csurka. “Tree-structured CRF Models for Interactive Image Labeling”. In: *Transactions on Pattern Analysis and Machine Intelligence (PAMI)* (2012). **29 citations**.

### International Conferences

- [C29] Y. Galema, **T. Mensink**. “IterGANs: Iterative GANs for Rotating Visual Objects”. In: *International Conference on Learning Representations - Workshop (ICLRw)*. **preprint**. 2018.
- [C28] S. Guerriero, B. Caputo, **T. Mensink**. “DeepNCM: Deep Nearest Class Mean Classifiers”. In: *International Conference on Learning Representations - Workshop (ICLRw)*. **preprint**. 2018.
- [C27] R. Bolles, B. Burns, M. Graciarena, A. Kathol, A. Lawson, M. McLaren, **T. Mensink**. “SAVI: Spotting Audio-Visual Inconsistencies in Manipulated Video”. In: *CVPR Workshop on Media Forensics*. 2017.
- [C26] **T. Mensink**, T. Jongstra, P. Mettes, and C. Snoek. “Music-Guided Video Summarization using Quadratic Assignments”. In: *ACM International Conference on Multimedia Retrieval (ICMR)*. **Spotlight**. 2017.
- [C25] S. Cappallo, **T. Mensink**, and C. Snoek. “Video Stream Retrieval of Unseen Queries using Semantic Memory”. In: *British Machine Vision Conference (BMVC)*. **Oral**. 2016.
- [C24] S. Kordumova, **T. Mensink**, and C. Snoek. “Pooling Objects for Recognizing Scenes without Examples”. In: *ACM International Conference on Multimedia Retrieval (ICMR)*. **Best paper award**. 2016.
- [C23] S. Cappallo, **T. Mensink**, and C. Snoek. “Image2Emoji: Zero-shot Emoji Prediction for Visual Media”. In: *ACM International Conference on Multimedia (ACMMM)*. **17 citations**. 2015.
- [C22] S. Cappallo, **T. Mensink**, and C. Snoek. “Latent Factors of Visual Popularity Prediction”. In: *ACM International Conference on Multimedia Retrieval (ICMR)*. **Oral, 18 citations**. 2015.
- [C21] E. Gavves, **T. Mensink**, T. Tommasi, C. Snoek, and T. Tuytelaars. “Active Transfer Learning with Zero-Shot Priors: Reusing Past Datasets for Future Tasks”. In: *International Conference on Computer Vision (ICCV)*. 2015.
- [C20] A. Habibian, **T. Mensink**, and C. Snoek. “Discovering Semantic Vocabularies for Cross-Media Retrieval”. In: *ACM International Conference on Multimedia Retrieval (ICMR)*. **Oral**. 2015.
- [C19] M. Jain, J. van Gemert, **T. Mensink**, and C. Snoek. “Objects2action: Classifying and localizing actions without any video example”. In: *International Conference on Computer Vision (ICCV)*. **53 citations**. 2015.
- [C18] P. Mettes, J. van Gemert, S. Cappallo, **T. Mensink**, and C. Snoek. “Bag-of-Fragments: Selecting and encoding video fragments for event detection and recounting”. In: *ACM International Conference on Multimedia Retrieval (ICMR)*. **23 citations**. 2015.
- [C17] M. Nagel, **T. Mensink**, and C. Snoek. “Event Fisher Vectors: Robust Encoding Visual Diversity of Visual Streams”. In: *British Machine Vision Conference (BMVC)*. **Oral, acceptance rate 7%**. 2015.
- [C16] A. Habibian, **T. Mensink**, and C. Snoek. “Composite Concept Discovery for Zero-Shot Video Event Detection”. In: *ACM International Conference on Multimedia Retrieval (ICMR)*. **Oral, 50 citations**. 2014.
- [C15] A. Habibian, **T. Mensink**, and C. Snoek. “VideoStory: A New Multimedia Embedding for Few-Example Recognition and Translation of Events”. In: *ACM International Conference on Multimedia (ACMMM)*. **Best paper award, 81 citations**. 2014.
- [C14] Z. Li, E. Gavves, **T. Mensink**, and C. Snoek. “Attributes Make Sense on Segmented Objects”. In: *European Conference on Computer Vision (ECCV)*. 2014.
- [C13] **T. Mensink**, E. Gavves, and C. Snoek. “COSTA: Co-Occurrence Statistics for Zero-Shot Classification”. In: *Conference on Computer Vision and Pattern Recognition (CVPR)*. **108 citations**. 2014.

- [C12] **T. Mensink**, and J. van Gemert. “The Rijksmuseum Challenge: Museum-Centered Visual Recognition”. In: *ACM International Conference on Multimedia Retrieval (ICMR)*. **20 citations**. 2014.
- [C11] **T. Mensink**, J. Verbeek, F. Perronnin, and G. Csurka. “Metric Learning for Large Scale Image Classification: Generalizing to New Classes at Near-Zero Cost”. In: *European Conference on Computer Vision (ECCV)*. **Oral, acceptance rate 2.8%, 134 citations**. 2012.
- [C10] **T. Mensink**, J. Verbeek, and T. Caetano. “Learning to Rank and Quadratic Assignment”. In: *NIPS Workshop on Discrete Optimization in Machine Learning*. 2011.
- [C9] **T. Mensink**, J. Verbeek, and G. Csurka. “Learning structured prediction models for interactive image labeling”. In: *Conference on Computer Vision and Pattern Recognition (CVPR)*. **39 citations**. 2011.
- [C8] **T. Mensink**, J. Verbeek, and G. Csurka. “Trans Media Relevance Feedback for Image Autoannotation”. In: *British Machine Vision Conference (BMVC)*. 2010.
- [C7] **T. Mensink**, J. Verbeek, and B. Kappen. “EP for Efficient Stochastic Control with Obstacles”. In: *European Conference on Artificial Intelligence (ECAI)*. **Oral**. 2010.
- [C6] F. Perronnin, J. Sánchez, **T. Mensink**. “Improving the Fisher Kernel for Large-Scale Image Classification”. In: *European Conference on Computer Vision (ECCV)*. **1906 citations**. 2010.
- [C5] J. Verbeek, M. Guillaumin, **T. Mensink**, and C. Schmid. “Image Annotation with TagProp on the MIRFLICKR set”. In: *ACM Multimedia Information Retrieval*. **92 citations**. 2010.
- [C4] M. Guillaumin, **T. Mensink**, J. Verbeek, and C. Schmid. “TagProp: Discriminative Metric Learning in Nearest Neighbor Models for Image Auto-Annotation”. In: *International Conference on Computer Vision (ICCV)*. **Oral, acceptance rate 3.8%, 560 citations**. 2009.
- [C3] M. Guillaumin, **T. Mensink**, J. Verbeek, and C. Schmid. “Automatic face naming with caption-based supervision”. In: *Conference on Computer Vision and Pattern Recognition (CVPR)*. **97 citations**. 2008.
- [C2] **T. Mensink**, and J. Verbeek. “Improving People Search Using Query Expansions: How Friends Help To Find People”. In: *European Conference on Computer Vision (ECCV)*. **Oral, acceptance rate 4.6%, 44 citations**. 2008.
- [C1] **T. Mensink**, W. Zajdel, and B. Kröse. “Distributed EM Learning for Appearance Based Multi-Camera Tracking”. In: *International Conference on Distributed Smart Cameras (IDCDS)*. **Oral, 14 citations**. 2007.

### Book Chapters

- [B1] **T. Mensink**, J. Verbeek, F. Perronnin, and G. Csurka. “Large Scale Metric Learning for Distance-Based Image Classification on Open Ended Data Sets”. In: *Advanced Topics in Computer Vision*. Ed. by G. M. Farinella, S. Battiato, and R. Cipolla. Springer, 2013, pp. 243–276. ISBN: 978-1-4471-5519-5.

### Local Conferences

- [L3] M. Guillaumin, J. Verbeek, C. Schmid, **T. Mensink**. “Apprentissage de distance pour l'annotation d'images par plus proches voisins”. In: *Reconnaissance des Formes et Intelligence Artificielle*. 2010.
- [L2] **T. Mensink**, and J. Verbeek. “Improving People Search Using Query Expansions: How Friends Help To Find People”. In: *Benelux Conference on Artificial Intelligence (BNAIC)*. **ext abstract**. 2008.
- [L1] **T. Mensink**, W. Zajdel, and B. Kröse. “Multi-Observations Newscast EM for Distributed Appearance Based Tracking”. In: *Benelux Conference on Artificial Intelligence (BNAIC)*. 2007.

### Demo's and Benchmarks

- [M5] S. Cappallo, **T. Mensink**, and C. Snoek. *Query-by-Emoji Video Search*. ACM International Conference on Multimedia (ACMMM). 2015.



- [M4] C. Snoek, K. van de Sande, D. Fontijne, S. Cappallo, J. van Gemert, A. Habibian, **T. Mensink**, P. Mettes, R. Tao, D. Koelma, and A. Smeulders. *MediaMill at TRECVID 2014: Searching Concepts, Objects, Instances and Events in Video*. 2014.
- [M3] **T. Mensink**, G. Csurka, F. Perronnin, J. Sánchez, and J. Verbeek. *LEAR and XRCE's participation to Visual Concept Detection Task - ImageCLEF 2010*. **24 citations**. 2010.
- [M2] M. Douze, M. Guillaumin, **T. Mensink**, C. Schmid, and J. Verbeek. *INRIA-LEARs participation to ImageCLEF 2009*. Working Notes of the CLEF Workshop. 2009.
- [M1] **T. Mensink**, and J. Verbeek. *Face Finder*. Benelux Conference on Artificial Intelligence (BNAIC). 2008.

### Tech Reports

- [R5] R. de Rosa, **T. Mensink**, and B. Caputo. *Online Open World Recognition*. Tech. rep. ArXiv, 2016.
- [R4] J. Sánchez, F. Perronnin, **T. Mensink**, and J. Verbeek. *Image Classification with the Fisher Vector: Theory and Practice*. Research Report RR-8209. INRIA, 2013.
- [R3] **T. Mensink**, J. Verbeek, F. Perronnin, and G. Csurka. *Large Scale Metric Learning for Distance-Based Image Classification*. Research Report RR-8077. INRIA, 2012.
- [R2] **T. Mensink**, J. Verbeek, and G. Csurka. *Weighted Transmedia Relevance Feedback for Image Retrieval and Auto-annotation*. Technical Report RT-0415. INRIA, 2011.
- [R1] M. Guillaumin, **T. Mensink**, J. Verbeek, and C. Schmid. *Face recognition from caption-based supervision*. Technical Report RT-392. INRIA, 2010.

### Thesis

- [T2] **T. Mensink**. "Learning Image Classification and Retrieval Models". PhD thesis. Université de Grenoble, INRIA-Grenoble, and Xerox Research Centre Europe, 2012.
- [T1] **T. Mensink**. "Multi-Observations Newscast EM for Distributed Multi-Camera Tracking". MA thesis. Universiteit van Amsterdam, 2007.

### Patents

- [P5] A. Habibian, **T. Mensink**, and C. Snoek. "Semantic multisensory embeddings for video search by text". Qualcomm Inc, US patent application, filing date Sept-2015. 2015.
- [P4] **T. Mensink**, J. Verbeek, F. Perronnin, and G. Csurka. "Metric learning for nearest class mean classifiers". XEROX Corp., US patent, number US20140029839. 2012.
- [P3] **T. Mensink**, J. Verbeek, and G. Csurka. "Learning structured prediction models for interactive image labeling". XEROX Corp., US patent, number US20120269436. 2011.
- [P2] **T. Mensink**, J. Verbeek, and G. Csurka. "Retrieval systems and method employing probabilistic cross-media relevance feedback". XEROX Corp., US Patent, number US20120054130. 2010.
- [P1] F. Perronnin, J. Sánchez, **T. Mensink**. "Large scale image classification". XEROX Corp., US Patent, number US20120045134. 2010.

### List of Co-Authors

Bolles, Robert  
Burns, Brian

Caetano, Tiberio  
Cappallo, Spencer

Caputo, Barbara  
Csurka, Gabriela

Everts, Ivo

Galema, Ysbrand  
Garrigues, Pierre  
Gavves, Efstratios  
Gemert, Jan van  
Gevers, Theo

Graciarena, Martin  
Guerrero, Samantha  
Guillaumin, Matthieu

Habibian, Amir

Jain, Mihir  
Jongstra, Thomas

Kappen, Bert  
Kathol, Andreas

Kordumova, Svetlana  
Kröse, Ben

Lawson, Aaron  
Li, Zhenyang

McLaren, Mitchell  
Mettes, Pascal

Nagel, Markus

Perronnin, Florent

Sánchez, Jorge  
Schmid, Cordelia  
Snoek, Cees  
Svetlichnaya, Stacey

Tommasi, Tatiana  
Tuytelaars, Tinne

Verbeek, Jakob

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