

Joost van de Weijer

Curriculum Vitae

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Personal Details

name: Joost van de Weijer
Gender: Male
Nationality: Dutch
Place of birth: Kisii, Kenya
Date of birth: November 18, 1974

Office

Computer Vision Center Barcelona
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Research Interests

color constancy, photometric invariance, object recognition, color image processing, human vision based computer vision, color naming, image segmentation, machine learning for computer vision.

Professional Experience

Senior Scientist: Computer Vision Center Barcelona 2013-present
Research in multiple projects in color imaging, object recognition and machine learning applied to computer vision.

Ramon y Cajal Fellow: Universitat Autònoma de Barcelona 2008-2012
Stationed at the Computer Vision Center Barcelona. Research in a number of projects related to color in computer vision, image processing and object recognition. Teaching in the master program of Computer Vision and Artificial Intelligence.

Marie Curie Intra-European Fellow (Postdoc): INRIA Rhône-Alpes 2005-2007
Conducting research on the PHIOR (PHotometric Invariant Object Recognition) project in corporation with dr. C. Schmid. The project goal is to enrich the object recognition framework as developed in the LEAR team with photometric invariant color information.

Ph.D. Student: University of Amsterdam 1999-2005
Conducted PhD research in the group of Prof. dr. ir. A.W.M. Smeulders under the supervision of dr. T. Gevers on the subject of photometric invariance theory applied to feature extraction, visual saliency detection, and color image enhancement.

Assistant Researcher: Delft University of Technology 1998
Adapted M.Sc. thesis research for journal publication.

Education

Ph.D. in Computer Science: University of Amsterdam March, 2005
M.Sc. in Applied Physics: Delft University of Technology 1998

Grants, Principal Investigator

2010-2013: Spanish Ministry of Education and Science: national support for travel, material, technical support for my group (85KEuro).
2008-2011: European Re-integration Grant of the Commission of the European Union: support to start-up group (45 KEuro).

Personal Competitive Fellowship

2013-2015: I3, competitive fellowship of the Spanish Ministry of Science (100 KEuro).
2007-2012: Ramon y Cajal Fellowship, research Fellowship of the Spanish Ministry of Science (189 KEuro).
2005-2007: Marie-Curie Intra-European Fellowship of the Commission of the European Union (140 KEuro).

Participation in Research Projects

Consolider project: Multimodal Interaction in Pattern Recognition and Computer Vision (MIPRCV) National project on multimodal interaction combining research groups from Spain (total project budget 5.5MEuro). Role: coordinated development of demonstrator.2008-2012

AMIS project: NWO (Dutch Organization for Scientific Research) project 2000-2004
A national research initiative to broaden and deepen the understanding of methods for indexing and searching in multimedia databases(550k Euro). Role: conducted PhD research within the AMIS project.

Mobility

Invited Professor: Laboratoire Hubert Curien, University Jean Monnet St.Etienne (1 month) 2014

Marie-Curie Fellow: Intra-European Fellowship at LEAR team INRIA Rhone-Alpes2005-2007

International Internship : Lawrence Berkeley National Laboratory (3 months) 1997

Teaching

Instructor: Universitat Autònoma de Barcelona2008-present
Organize and teach in case-based object-recognition project at the master of Computer Vision and Artificial Intelligence.

Lecturer: Universitat Autònoma de Barcelona 2008-2010
Teach several classes on machine learning and object recognition at the master of Computer Vision and Artificial Intelligence.

Teaching Assistant: University of Amsterdam 1999-2003
Organized and supervised several Computer Vision labs.

Master students:

Adria Ruiz Ovejero 2013
Long Long Yu2013
Isaac Alonso 2012
Min Yong Yoon 2011
David Rojas Vigo 2009
Shida Beigpour 2009
Fahad Shahbaz Khan 2008
Juan Toledo2008

PhD students:

Fahad Shahbaz Khan (Director) 2008-2011
Shida Beigpour (Director) 2009-2013
Rao Anwer (Co-Director) 2009-2013

Postgraduate Courses

Tutorial: Int. Conf. on Computer Vision (ICCV) in Barcelona. 2011
Instructor of the Color Image Understanding tutorial.

Tutorial: Deutsche Arbeitsgemeinschaft fur Mustererkennung (DAGM) in Darmstadt.....2010
Instructor of the Color in Computer Vision tutorial.

Tutorial: Int. Conference on Image Processing (ICIP) in Cairo. 2009
Instructor of the Color in Image and Video Processing tutorial.

Tutorial: Computer Vision Center Barcelona2008
Instructor at the New Trends in Pattern Recognition and Motion Analysis summer school.

Knowledge Transfer/Demos

Demo: Image retrieval demo at the MIPRCV Industry Day at CONSOLIDER INGENIO 2010 program.2012-present

Benchmark Events

VOC PASCAL Challenge:2012
Organized the VOC PASCAL challenge submission with a team of researchers from the Computer Vision Center and University of Amsterdam. *Honorable mention* for Image Classification.

VOC PASCAL Challenge:2010
Organized the VOC PASCAL challenge submission with a team of 8 researchers from the Computer Vision Center. *Winner* of Image Segmentation. *Winner* of Action Recognition in Still Images.

VOC PASCAL Challenge:2009
Organized the VOC PASCAL challenge 2009 submission with a team of 15 researchers from the Computer Vision Center. *Honorable mention (2nd position)* in image classification. *Runner-up award (2nd position)* in image segmentation.

VOC PASCAL Challenge:2007
Winner of the VOC PASCAL challenge 2007 image classification benchmark. Complete team: M. Marszalek, C. Schmid, H. Harzallah, J. van de Weijer.

Professional Service

Area chair, Int. Conf. on Pattern Recognition, ICPR 2014

Tutorial chair, Iberian conference on Pattern Recognition and Image Analysis, IBPRIA 2011

Organizer:

Workshop chair / Organizer, 5th Color and Photometry in Computer Vision Workshop in conjunction with ICCV (Sydney), CPCV 2013

Workshop chair / Organizer, 4th Color and Photometry in Computer Vision Workshop in conjunction with ECCV (Florence), CPCV 2012

Workshop chair / Organizer, 3rd IEEE Color and Photometry in Computer Vision Workshop in conjunction with ICCV (Barcelona), CPCV 2011

Workshop chair / Organizer, 2nd Color and Reflectance in Imaging and Computer Vision Workshop in conjunction with ECCV (Crete), CRICV 2010

Workshop chair / Organizer, 1st IEEE Color and Reflectance in Imaging and Computer Vision Workshop in conjunction with ICCV (Kyoto), CRICV 2009

Technical Program Committees:

Computer Vision and Pattern Recognition (CVPR): 2007, 2009-2014

European Conf. on Computer Vision (ECCV): 2008, 2010, 2012, 2014

Int. Conf. on Computer Vision (ICCV): 2009, 2011, 2013

Int. Conf. on Image Processing (ICIP): 2004-2011, 2013

Int. Conf. on Pattern Recognition (ICPR): 2008, 2012

Neural Information Processing Systems (NIPS): 2007

British Machine and Vision Conference (BMVC): 2012, 2013

German Conference on Pattern Recognition (GCPR): 2013

Asian Conference on Computer Vision (ACCV): 2007, 2010

Conf. on Colour and Graphics (CGIV): 2010, 2012

Int. Conf. on Imaging and Theory and Applications (IMAGAPP) : 2011

Int. Conf. on Computer Vision Theory and Application (VISAPP) : 2012, 2013, 2014

Machine Learning for Signal Processing (MLSP) : 2012

Int. Conf. on Multimedia & Expo (ICME05): 2005

Workshop on Feature Detectors and Descriptors, (in conjuncture CVPR): 2009

Computational Color Imaging Workshop (CCIW): 2011, 2013

IEEE Workshop on Visual Analysis beyond Semantics (VABS), (in conjuncture CVPR):2013
Workshop on Deep Vision: Deep Learning for Computer Vision, (in conjuncture CVPR):2014

Outstanding reviewer award: CVPR 2012, ECCV 2012

Keynote Lectures: The Dichromatic Reflection Model - Future Research Directions and Applications, Int. Joint Conf. on Computer Vision, Imaging and Computer Graphics Theory and Applications (VISIGRAPP 2011), Vilamoura, Portugal, 2011.

Invited Talk Workshops: Combining Color and Shape for Object Recognition, The Fourth Computational Color Imaging Workshop (CCIW 2013), Chiba, Japan, 2013.

Presentations and seminars:

Intrinsic Images for Color Image Understanding, Universite Jean Monnet St. Etienne, 2014
Color for Object Recognition, University of Erlangen-Nuernberg, 2014
Combining Color and Shape for Object Recognition, Universiteit van Amsterdam, 2013
Combining color and shape for bag of words representations, Universite Jean Monnet St. Etienne, 2013
Intrinsic Images for Color Image Understanding, Universitat Politecnica de Catalunya, Barcelona, 2012
Combining Color and Shape Information for Object Recognition, Delft University of Technology, 2012
Color Image Understanding in the Presence of Shadows and Specularities, Universitat Pompeu Fabra, Barcelona, 2012
Combining color and shape information for image classification, Ecole Normale Superior, Paris, .2010
Bottom-up and top-down color attention for object recognition, Universitat de Valencia, 2010
Applying bottom-up and top-down color attention for improved bag-of-words based object recognition, INRIA, Grenoble, 2010
Photometric invariant color image understanding , Xerox Research Center Europe, Grenoble, ... 2010
Color in bag-of-words based object recognition, Multimedia and Geometry, Universiteit Utrecht, 2010
Coloring local feature extraction for object recognition, Computer Vision Center, Barcelona,2006
Photometric invariant features, Lear Team, INRIA Rhone-Alpes, 2005
Color features and local structure in images, Quantitative Imaging Group, Delft University of Technology, 2005

PhD Committees:

Rahat Khan at the Universite Jean Monnet de Saint-Etienne, 2013
Javier Vazquez-Corral at the Universitat Autònoma de Barcelona, 2011
Jose M. Alvarez at the Universitat Autònoma de Barcelona, 2010
Arnau Ramisa at the Artificial Intelligence Research Institute de Barcelona, 2009
Robert Benavente Vidal at the Universitat Autònoma de Barcelona, 2007
Fransesc Tous Terrades at the Universitat Autònoma de Barcelona, 2006

Publications

Publications Indices:

H-index (Google Scholar) : 28
Number of Citations (Google Scholar) : >2700

Authored Books:

1. T. Gevers, A. Gijsenij, J. van de Weijer, J.M. Geusebroek, "Color in Computer Vision: Fundamentals and Applications." , Series in Imaging Science and Technology, Wiley-IS&T, 2012.

Journal Publications:

1. F. Khan, J. van de Weijer, R. M. Anwer, M. Felsberg, C. Gatta "Semantic Pyramids for Gender

- and Action Recognition." *IEEE Transaction on Image Processing*, accepted 2014. (*ISI impact factor 3.0*)
2. F. S. Khan, S. Beigpour, J. Van de Weijer, M. Felsberg "Painting-91: A Large Scale Database for Computational Painting Categorization." *Machine and Vision Application*, accepted 2014. (*ISI impact factor 1.1*)
 3. S. Beigpour, C. Riess, J. van de Weijer, E. Angelopoulou "Multi-Illuminant Estimation with conditional Random Fields." *IEEE Transaction on Image Processing*, vol 23(1):83-95, january 2014. (*ISI impact factor 3.0*)
 4. F. Khan, R.M. Anwer, J. van de Weijer, A. D. Bagdanov, A. M. Lopez, M. Felsberg, "Coloring Action Recognition in Still Images." *International Journal of Computer Vision*, vol. 105(3):205-221, 2013. (*ISI impact factor 3.7*)
 5. F. Khan, J. van de Weijer, M. Vanrell. "Modulating Shape Features by Color Attention for Object Recognition." *International Journal of Computer Vision*, vol 98(1):49-64, 2012. (*ISI impact factor 3.7*)
 6. Arjan Gijsenij, Theo Gevers, Joost van de Weijer. "Improving Color Constancy by Photometric Edge Weighting." *IEEE Transactions Pattern Analysis and Machine Intelligence*, vol. 34(5):918-929, 2012. (*ISI impact factor 4.9*)
 7. Noha M. Elfiky, Fahad Shahbaz Khan, Joost van de Weijer, Jordi Gonzalez. "Discriminative Compact Pyramids for Object and Scene Recognition." *Pattern Recognition*, vol. 45(4):1627-1636, 2012. (*ISI impact factor 2.3*)
 8. Xavi Boix, Josep Gonfaus, J. van de Weijer, Andrew Bagdanov, Joan Serrat, Jordi Gonzalez. "Harmony Potentials: Fusing Global and Local Scale for Semantic Image Segmentation." *International Journal of Computer Vision*, vol. 96(1):83-102, January 2012. (*ISI impact factor 3.7*)
 9. A. Gijsenij, Th. Gevers, J. van de Weijer. "Computational Color Constancy; Survey and Experiments." *IEEE Transaction on Image Processing*, vol. 20(9):2475-2489, 2011. (*ISI impact factor 3.0*)
 10. E. Vazquez, R. Baldrich, J. van de Weijer, M. Vanrell, "Describing Reflectance for Colour Segmentation Robust to Shadows, Highlights, and Textures." *IEEE Transactions Pattern Analysis and Machine Intelligence*, vol. 33(5):917-930, May 2011. (*ISI impact factor 4.9*)
 11. E. Vazquez, Th. Gevers, M. Lucassen, J. van de Weijer, R. Baldrich "Saliency of Color Image Derivatives: A Comparison between Computational Models and Human Perception." *Journal of the Optical Society of America A*, vol. 27(3): 1-20, March 2010. (*ISI impact factor 1.6*)
 12. A. Gijsenij, Th. Gevers, J. van de Weijer. "Generalized Gamut Mapping using Derivative Structures for Color Constancy." *International Journal of Computer Vision*, vol. 86(2-3):140-151, January 2010. (*ISI impact factor 3.7*)
 13. J. van de Weijer, C. Schmid, J. Verbeek, D. Larlus. "Learning Color Names for Real-World Applications." *IEEE Transaction on Image Processing*, vol. 18(7):1512-1524, July 2009. (*ISI impact factor 3.0*)
 14. J. van de Weijer, Th. Gevers, A. Gijsenij. "Edge-Based Color Constancy." *IEEE Transaction on Image Processing*, vol. 16(9):2207-2214, September 2007. (*ISI impact factor 3.0*)
 15. J. van de Weijer, T. Gevers, A.D. Bagdanov. "Boosting Color Saliency in Image Features." *IEEE Transactions Pattern Analysis and Machine Intelligence*, vol. 28(1):150-156, January 2006. (*ISI impact factor 4.9*)
 16. J. van de Weijer, T. Gevers and A.W.M. Smeulders. "Robust Photometric Features from the Color Tensor." *IEEE Transaction on Image Processing*, vol. 15(1):118-127, January 2006. (*ISI impact factor 3.0*)
 17. J. van de Weijer and R. van den Boomgaard. "Least Squares and Robust Estimation of Local Image Structure." *International Journal on Computer Vision*, vol. 64(2/3):143-155, September 2005. (*ISI impact factor 3.7*)
 18. J. van de Weijer, T. Gevers and J.M. Geusebroek. "Edge and Corner Detection by Photometric Quasi-Invariants." *IEEE Transactions Pattern Analysis and Machine Intelligence*, vol. 27(4):625-630, April 2005. (*ISI impact factor 4.9*)

19. J.M. Geusebroek, A.W.M. Smeulders and J. van de Weijer. "Fast Anisotropic Gauss Filtering." *IEEE Transaction on Image Processing*, vol. 12(8): 938-943, August 2003. (*ISI impact factor 3.0*)
20. J. van de Weijer and L.J. van Vliet and P.W. Verbeek and M. van Ginkel. "Curvature Estimation in Oriented Patterns Using Curvilinear Models Applied to Gradient Vector Fields." *IEEE Transactions Pattern Analysis and Machine Intelligence*, 23(9):1035-1042, September 2001. (*ISI impact factor 4.9*)

Book Chapters and Thesis:

1. J. van de Weijer, F. Khan and M. Masana Castrillo "Interactive Visual and Semantic Image Retrieval." In A. Sappa and J. Vitria (Eds.): *Multimodal Interaction in Image and Video Applications*. Springer, Berlin, 2013.
2. T.Gevers, J. van de Weijer, H. Stokman. "Color Feature Detection: An Overview." In R. Lukac and K.N. Plataniotis (Eds.): *Color Image Processing: Methods and Applications*. CRC Press, 2006.
3. T. Brox, R. van den Boomgaard, F. Lauze, J. van de Weijer, J. Weickert, P. Mrzek, P. Kornprobst. "Adaptive structure tensors and their applications." In J. Weickert, H. Hagen (Eds.): *Visualization and Processing of Tensor Fields*. Springer, Berlin, 2006.
4. J. van de Weijer. "Color Features and Local Structure in Images.", *PhD thesis*, University of Amsterdam, 2005.

International Conference Publications:

1. Martin Danelljan, Fahad Shahbaz Khan, Michael Felsberg, Joost van de Weijer, "Adaptive color attributes for real-time visual tracking", In *Computer Vision and Pattern Recognition(CVPR)*, Columbus, Ohio, USA, 2014.
2. F. S. Khan, J. Van de Weijer, A. Bagdanov, M. Felsberg, "Scale Coding Bag-of-Words for Action Recognition", In Proc. of *International Conference on Pattern Recognition (ICPR)*, Stockholm, Sweden, 2014.
3. Rahat Khan, Joost van de Weijer, Fahad Khan, Damien Muselet, Christophe Ducottet, Cecile Barat, "Discriminative Color Descriptors", In *Computer Vision and Pattern Recognition(CVPR)*, Portland, Oregon, USA, 2013.
4. Shida Beigpour, Marc Serra, Joost van de Weijer, Robert Benavente, Maria Vanrell, Olivier Penacchio, Dimitris Samaras, "Intrinsic Image Evaluation On Synthetic Complex Scenes", In *Int. Conf. on Image Processing(ICIP13)*, Melbourne, Australia, 2013.
5. Rahat Khan, Joost van de Weijer, Dimosthenis Karatzas, Damien Muselet, "Towards multispectral data acquisition with hand-held devices", In *Int. Conf. on Image Processing(ICIP13)*, Melbourne, Australia, 2013.
6. Christophe Rigaud, Dimosthenis Karatzas, Joost Van de Weijer, Jean-Christophe Burie, Jean-Marc Ogier, "An active contour model for speech balloon detection in comics", In *International Conference on Document Analysis and Recognition (ICDAR13)*, Washington, USA, 2013.
7. Fahad Shahbaz Khan, Joost van de Weijer, Sadiq Ali, Michael Felsberg, "Evaluating the impact of color on texture recognition", In *Int. Conf. on Computer Analysis of Images and Patterns(CAIP)*, York, UK, 2013.
8. Christophe Rigaud, Dimosthenis Karatzas, Joost Van de Weijer, Jean-Christophe Burie, Jean-Marc Ogier, "Automatic text localisation in scanned comic books", In *International Conference on Computer Vision Theory and Applications (VISAPP13)*, Barcelona, Spain, 2013.
9. Joost van de Weijer, Fahad Khan, "Fusing Color and Shape for Bag-of-Words Based Object Recognition", Invited paper at *Imaging Workshop(CCIW)*, Chiba, Japan, 2013.
10. F.Shahbaz Khan, R. R. Muhammad Anwer, J. van de Weijer, Andrew D. Bagdanov, Maria Vanrell, Antonio M. Lopez, "Color Attributes for Object Detection", In *Computer Vision and Pattern Recognition(CVPR)*, Providence, USA, 2012.

11. F.Shahbaz Khan, J. van de Weijer, M. Vanrell, "Portmanteau Vocabularies for Multi-Cue Image Representation", In *Neural Information Processing Systems(NIPS)*, Granada, Spain, 2011.
12. S. Beigpour, J. van de Weijer, "Recoloring based on Intrinsic Image Estimation", In *Proceedings International Conference on Computer Vision (ICCV)*, Barcelona, Spain, 2011.
13. D. Rojas Vigo, F. Shahbaz Khan, J. van de Weijer, "The impact of Color on Bag-of-Words based Object Recognition", In *Proceedings International Conference on Pattern Recognition (ICPR)*, Istanbul, Turkey, 2010.
14. D. Rojas Vigo, J.van de Weijer, Th. Gevers, "Color Edge Saliency Boosting using Natural Image Statistics", In *IS&T European Conference on Colour and Graphics, Image, and Vision (CGIV)*, Joensuu, Finland, 2010.
15. J. M. Gonfaus, X. Boix, J.van de Weijer, A. Bagdanov, J. Serrat, J. Gonzalez, "Harmony Potentials for Joint Segmentation and Classification", In *Computer Vision and Pattern Recognition (CVPR)*, San Fransisco, USA, 2010.
16. F.Shahbaz Khan, J. van de Weijer, M. Vanrell, "Top-down Color Attention for Object Recognition", In *Proceedings International Conference on Computer Vision (ICCV)*, Kyoto, Japan, 2009.
17. A. Gijsenij, T. Gevers, J. van de Weijer, "Physics-based Edge Evaluation for Improved Color Constancy.", In *Computer Vision and Pattern Recognition (CVPR)*, Miami, Florida, USA, 2009.
18. E. Vazquez, J. van de Weijer, R. Baldrich, "Image Segmentation in the Presence of Shadows and Highlights.", In *Proceedings of the European Conference on Computer Vision (ECCV)*, Marseille, France, 2008.
19. A. Gijsenij, T. Gevers, J. van de Weijer "Edge-Classification for Color Constancy.", In *IS&T European Conference on Colour and Graphics, Image, and Vision (CGIV)*, Terrassa, Spain, 2008.
20. J.van de Weijer, C. Schmid, J.J. Verbeek. "Using High-Level Visual Information for Color Constancy.", In *Proceedings International Conference on Computer Vision (ICCV)*, Rio de Janeiro, Brazil, 2007.
21. J.van de Weijer, C. Schmid. "Applying Color Names for Image Description.", In *Proceedings of the International Conference on Image Processing (ICIP)*, San Antonio, Texas, USA, 2007.
22. J.van de Weijer, C. Schmid, J.J. Verbeek. "Learning Color Names from Real-World Images.", In *Computer Vision and Pattern Recognition (CVPR)*, Minneapolis, Minnesota, USA, 2007.
23. N. Sebe, T. Gevers, J. van de Weijer, S. Dijkstra. "Corners Detectors for Affine Invariant Salient Regions: Is Color Important?", In *Proceedings of International Conference on Image and Video Retrieval (CIVR)*, Arizona State, USA, 2006.
24. J. van de Weijer, C. Schmid. "Blur Robust and Color Constant Image Description." In *Proceedings of the International Conference on Image Processing (ICIP)*, Atlanta, USA, 2006.
25. J. van de Weijer, C. Schmid, "Coloring Local Feature Extraction.", In *Proceedings of the European Conference on Computer Vision (ECCV)*, Graz, Austria, 2006.
26. J. van de Weijer, T. Gevers. "Boosting Saliency in Color Image Features." In *Proceedings on Computer Vision and Pattern Recognition (CVPR)*, San Diego, California, USA, 2005.
27. J. van de Weijer, T. Gevers. "Color Constancy based on the Grey-Edge Hypothesis." In *Proceedings of the International Conference on Image Processing (ICIP)*, Genoa, Italy, 2005.
28. J. van de Weijer, T. Gevers and A.W.M. Smeulders. "Tensor Based Feature Detection for Color Images." In *Proceedings of the IS&T/SID Color Imaging Conference, Technologies and Applications (CIC)*, Scottsdale, Arizona, USA, 2004.
29. J. van de Weijer, T. Gevers. "Robust Optical Flow from Photometric Invariants." In *Proceedings of the International Conference on Image Processing (ICIP)*, Singapore, 2004.
30. J. van de Weijer, T. Gevers, J. M. Geusebroek. "Color Edge Detection by Photometric Quasi-Invariants." In *Proceedings International Conference on Computer Vision (ICCV)*, Nice, France, 2003.
31. R. van den Boomgaard and J. van de Weijer. "Least Squares and Robust Estimation of Local Image Structure." In *Proceedings International Conference on Scale-Space*, Isle of Skye, UK, 2003.

32. R. van den Boomgaard and J. van de Weijer. "On the equivalence of local-mode finding, robust estimation and mean-shift analysis as used in early vision tasks." In *Proceedings International Conference on Pattern Recognition (ICPR)*, Quebec City, Canada, 2002.
33. J. M. Geusebroek, A. W. M. Smeulders, and J. van de Weijer. "Fast anisotropic gauss filtering" In *Proceedings European Conference on Computer Vision (ECCV)*, Copenhagen, Denmark, 2002.
34. J. van de Weijer and R. van den Boomgaard. "Local Mode Filtering." In *Proceedings on Computer Vision and Pattern Recognition (CVPR)*, Kauai, Hawaii, USA, 2001.
35. J. van de Weijer and T. Gevers. "Color Mode Filtering." In *Proceedings of the International Conference on Image Processing (ICIP)*, Thessaloniki, Greece, 2001.
36. T. Gevers, H.M.G. Stokman and J. van de Weijer. "Color Constancy from Hyper-Spectral Data." In *Proceedings of British Machine and Vision Conference (BMVC)*, Bristol, UK, 2000.
37. T. Gevers, P. Vreman and J. van de Weijer. "Color Constant Texture Segmentation." In *Proceedings of SPIE*, San Jose, California, USA, 2000.
38. M. van Ginkel, J. van de Weijer, L.J. van Vliet and P.W. Verbeek. "Curvature Estimation from Orientation Fields." In *Proceedings Scandinavian Conference on Image Analysis (SCIA)*, Kangerlussuaq, Greenland, 1999.
39. P.W. Verbeek, L.J. van Vliet and J. van de Weijer. "Improved Curvature and Anisotropy Estimation for Curved Line Bundles." In *Proceedings International Conference on Pattern Recognition (ICPR)*, Brisbane, Australia, 1998.

International Workshops:

1. C. Gatta, A. Romero, J. Van de Weijer. , "Unrolling loopy top-down semantic feedback in convolutional deep networks", In *CVPR Workshop on Deep Vision: Deep Learning for Computer Vision*, in conjunction with CVPR, Columbus, Ohio, USA, 2014.
2. Joost van de Weijer, Fahad Khan, "Fusing Color and Shape for Bag-of-Words Based Object Recognition", Invited paper at *Computational Color Imaging (CCIW13)*, Chiba, Japan, 2013.
3. A. Gijsenij, T. Gevers, J. van de Weijer. "Color Constancy by Derivative-based Gamut Mapping.", In *Workshop Photometric Analysis for Computer Vision*, in conjuncture with ICCV, Rio de Janeiro, Brazil, 2007.
4. N. Sebe, T. Gevers, S. Dijkstra, J. van de Weijer, "Evaluation of Intensity and Color Corner Detectors for Affine invariant Salient Regions", In *Beyond Patches Workshop*, in conjunction with CVPR, New York, USA, 2006.
5. D. Knossow, J. Van de Weijer, R. Horaud, R. Ronfard, "Articulated-body Tracking through Anisotropic Edge Detection." In *Workshop on Dynamical Vision*, in conjunction with ECCV, Graz, Austria, 2006.
6. R. van den Boomgaard and J. van de Weijer. "Robust estimation of orientation for texture analysis." In *International Workshop on Texture Analysis and Synthesis* in conjunction with ECCV, Copenhagen, Denmark, 2002.

Skills Programming:

C, Windows, Unix, Linux, Matlab, Mathematica

Languages:

Dutch (native), English (fluent), Spanish (advanced), French (advanced), German (advanced).