

LIST OF PUBLICATIONS

Thierry Pun.
June 25, 2016

1. Refereed journals, book chapters, special issues
2. Patent applications
3. International conferences with refereed full length articles, invited talks, full demonstrations
4. Other conferences
5. Other journals
6. Miscellaneous
7. Public events
8. Media coverage
9. Course notes

1. Refereed journals, book chapters, special issues

1. M. Soleymani, F. Villaro-Dixon, T. Pun, G. Chanel, "TEAP: Toolbox for emotion analysis using physiological signals", *Frontiers, Human-Media Interaction*, subm. June 2016.
2. J. Gomez, G. Bologna, C. Ferrin, E. Correa, P. Vele, T. Pun, "Extending Interaction in Visual Sensory Substitution Devices with Text Recognition and Tactile Augmented Reality", *IEEE Trans. on Haptics*, subm. Dec. 2015.
3. S. Cloix, G. Bologna, V. Weiss, T. Pun, D. Hasler, "Low-power depth-based descending stairs detection for smart assistive devices", subm., October 2015.
4. J. Gomez, G. Bologna, T. Pun, "Extending interaction in visual sensory substitution devices with text recognition and tactile augmented reality", *Journal of Assistive Technologies*, Submitted, 2014.
5. J. D. Gomez, G. Bologna, T. Pun, "A visual world to be heard: Touch and audio trajectory playback as non-visual cueing method to increase spatial awareness of unsighted individuals", *Springer Journal of Interaction Science*, Submitted, March 2014.
6. M. Soleymani, T. Pun and A. Nijholt, "Best of Affective Computing and Intelligent Interaction 2013 in Multimodal Interactions", Special Issue Guest Editorial, *Journal on Multimodal User Interfaces*, Springer, July 2014. DOI 10.1007/s12193-014-0163-2.
7. J. Gomez, G. Bologna, T. Pun, "See CoLoR: An extended sensory substitution device for the visually impaired", *J. of Assistive Technologies*, Vol. 8, No. 2, 2014, 77-94. DOI: 10.1108/JAT-08-2013-0025
8. M. Soleymani, M. Larson, T. Pun, A. Hanjalic, *Corpus development for evaluation of affective video indexing*, *IEEE Trans. on Multimedia*, 16, 4, June 2014.
9. J. D. Gomez, G. Bologna, T. Pun, "Registering color and range images", *EURASIP Journal on Image and Video Processing*, 2013:41, June 2013. Doi:10.1186/1687-5281-2013-41, <http://jivp.eurasipjournals.com/content/2013/1/41>.
10. C. Chenes, G. Chanel, M. Soleymani, T. Pun, "Highlights detection in movie scenes through inter-users physiological linkage", in: *Social Media Retrieval*, N. Ramzan, R. van Zwol, Jong-Seok Lee, K. Clver, Xian-Sheng Hua, Eds., Springer, *Computer Communications and Networks Series*, 2013.
11. J.-M. Pignat, O. Koval, D. Van De Ville, S. Voloshynovskiy, C. Michel, T. Pun, "The impact of denoising on independent component analysis of functional magnetic resonance imaging data", *Journal of Neuroscience Methods*, 2012 (Online Dec. 19, 2012). <http://dx.doi.org/10.1016/j.jneumeth.2012.10.011>
12. S. Koelstra, C. Mhl, M. Soleymani, Jong-Seok Lee, A. Yazdani, T. Ebrahimi, T. Pun, A. Nijholt, I. Patras, *DEAP: A database for emotion analysis using physiological signals*, *IEEE Trans. on Affective Computing*, Special Issue on Naturalistic Affect Resources for System Building and Evaluation, B. Schuller, L. Devillers, R. Cowie, E. Douglas-Cowie, A. Batliner, Guest Editors, Vol. 3, No. 1, Jan. - March 2012, 18-31.
13. M. Soleymani, M. Pantic, T. Pun, *Multi-modal emotion recognition in response to videos*, *IEEE Trans. on Affective Computing*, Vol. 3, No. 2, April-June 2012, 211-223. Digital Object Identifier: 10.1109/T-AFFC.2011.37 This article was chosen as one of The Most Influential Articles in IEEE - Transactions on Affective Computing, and presented at ACII 2015, Special Session on The Most Influential Articles in IEEE - TAC, Sept. 21-24, 2015, Xian, China (invited). Together with a poster in a special session.

14. M. Soleymani, J. Lichtenauer, T. Pun, M. Pantic, *A multi-modal database for affect recognition and implicit tagging*, IEEE Trans. on Affective Computing, Special Issue on Naturalistic Affect Resources for System Building and Evaluation, B. Schuller, L. Devillers, R. Cowie, E. Douglas-Cowie, A. Batliner, Guest Editors, Vol. 3, No. 1, Jan. - March 2012, 42-55.
15. G. Chanel, C. Rebetez, M. Betrancourt, T. Pun, *Emotion assessment from physiological signals for adaptation of games difficulty*, IEEE Trans. on Systems, Man, and Cybernetics - Part A: Systems and Humans, Vol. 41, No. 6, November 2011, 1052-1063. DOI: 10.1109/TSMCA.2011.2116000
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24. J. E. Vila-Forn, S. Voloshynovskiy, O. Koval, F. Perez-Gonzlez. T. Pun, *Quantization-based methods: additive attacks performance analysis*, Trans. on Data Hiding and Multimedia Security (DHMS III), Springer Lecture Notes on Computer Science, Vol. LNCS 4920, 2008, 70-90.
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2. Patent applications

1. S. Voloshynovskiy, O. Koval, T. Pun, *Secure item identification and authentication based on unclonable features*, US Patent Application No 61/038,084, filed 20 March 2008. World Extension, Patent Application No WO 2009/115611, filed 20 March 2009.
2. S. Voloshynovskiy, O. Koval, T. Pun, *Brand protection and product authentication using portable devices*, US Patent Application US11/477,486, filed June 27, 2006.
Published Jan. 3, 2008, Publ. number US-2008-0002882-A1.
Final publication date: Nov. 29, 2012, Patent US 2012/0298743 A1.
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6. S. Voloshynovskiy, F. Deguillaume, S. Pereira, A. Herrigel, T. Pun, *Method for adaptive digital watermarking robust against geometric transforms*, European Patent Application PCT/IB00/01089, filed August 3, 2000; granted, May 2001, WO 0213138, public disclosure: Feb. 14, 2002.

7. S. Pereira, S. Voloshynovskiy, and T. Pun, *A method for generating and decoding image dependant watermarks*, European Patent Application PCT/IB00/00494, filed April 20, 2000. Granted, WO 0182226.
8. A. Herrigel, J. Ó Ruanaidh and T. Pun, *Method for generating digital watermarks and for exchanging data containing digital watermarks*, European Patent Application EU 1879, Sept. 1997 (PCT Filed Sept. 1998). Granted, WO 9917536 + EP 1013073. Extension to Japan and North-America (March 2000).

3. International conferences with refereed full length articles, invited talks, full demonstrations

1. S. Cloix, T. Pun, D. Hasler, "Robust 2D keypoint detection using 3D light field information", 3DV 2016, Int. Conf. on 3DVision, Stanford University, CA, USA, Oct. 25-28, 2016. (Submitted)
2. M. Muszynski, T. Kostoulas, P. Lombardo, T. Pun, G. Chanel, "Synchronization among groups of spectators for highlight detection in movies", ACM Multimedia 2016, Oct. 15-19, 2016, Amsterdam, The Netherlands.
3. S. Cloix, T. Pun, D. Hasler, "Real-time scale-invariant object recognition from light field imaging", VISAPP 2016, 11th Int. Conf. on Computer Vision Theory and Applications, Rome, Italy, Feb. 27-29, 2016.
4. T. Kostoulas, G. Chanel, M. Muszynski, P. Lombardo, T. Pun, "Dynamic time warping of multimodal signals for detecting highlights in movies", Interpersonal@ICMI 2015, First International Workshop on Modeling INTEPERsonal SynchrONy, 17th ACM Int. Conference on Multimodal Interaction, Nov. 9-13, 2015, Seattle, USA.
5. M. Muszynski, T. Kostoulas, G. Chanel, P. Lombardo, T. Pun, Spectators' synchronization detection based on manifold representation of physiological signals: application to movie highlights detection", ICMI 2015, 17th ACM Int. Conference on Multimodal Interaction, Nov. 9-13, 2015, Seattle, USA.
6. M. Soleymani, M. Pantic, T. Pun, "Multi-modal emotion recognition in response to videos", ACII 2015, Special Session on Most Influential Articles in IEEE - Transactions on Affective Computing, Sept. 21-24, 2015, Xi'an, China (invited). Together with a poster in a special session.
7. V. Weiss, A. Korolev, G. Bologna, S. Cloix, T. Pun, "An Embedded Ground Change Detector for a "Smart Walker"", IWINAC2015, 6th Int. Work-conference on the Interplay between Natural and Artificial Computation, June 1-5, 2015, Elche, Spain.
8. T. Kostoulas, G. Chanel, M. Muszynski, P. Lombardo, T. Pun, "Identifying aesthetic highlights in movies from clustering of physiological and behavioral signals", QoMEX 2015, 7th Int. Workshop on Quality of Multimedia Experience, 26-29 May 2015, Costa Navarino, Messinia, Greece.
9. D. Cereghetti, G. Molinari, G. Chanel, T. Pun, M. Btrancourt, "Sharing emotions during a computer-mediated collaborative task: a dual eye-tracking study", EARLI 2015, European Conference for Research on Learning and Instruction, 25-29 Aug. 2015, Limassol, Cyprus.
10. S. Cloix, G. Bologna, V. Weiss, T. Pun, D. Hasler, "Descending stair detection for low-power sensors", ACVR 2014 - 2nd Workshop on Assistive Computer Vision and Robotics, in conjunction with ECCV 2014 (6-12 Sep. 2014), 12 Sept. 2014, Zrich, Switzerland. In: Lecture Notes in Computer Science, Volume 8927, Springer.
11. V. Weiss, G. Bologna, S. Cloix, T. Pun, "Walking behavior change detector for a "smart" walker", 6th Int. Conf. on Intelligent Human-Computer Interaction, IHCI 2014, Evry, France, December 8-10, 2014. In: Procedia Computer Science 39, Patrick Horain, Amine Chellali and Malik Malle, Eds., 2014, 43 - 50. doi: 10.1016/j.procs.2014.11.008.
12. D. Cereghetti, G. Molinari, G. Chanel, T. Pun, M. Btrancourt, " Visual processing of emotions during a computer-mediated collaborative task: An eye tracking study", 2014 joint SIG Meeting of EARLI SIG 6 (Instructional Design) and SIG 7 (Learning and Instruction with Computers), August 27-29, 2014, Rotterdam, The Netherlands.
13. G. Molinari, M. Btrancourt, G. Chanel, T. Pun, "Le partage des motions dans la collaboration distance mdiatise par ordinateur", 28me Congr. Ass. Int. de Pdagogie Universitaire (AIPU), 18-22 mai 2014, Mons, Belgium.
14. S. Cloix, V. Weiss, G. Bologna, T. Pun, D. Hasler, "Obstacles and objects detection using sparse 3D information for a smart walker", VISAPP 2014, 9th Int. Conf. on Computer Vision Theory and Applications, 5-8 January 2014, Lisbon, Portugal.
15. V. Weiss, S. Cloix, G. Bologna, T. Pun, D. Hasler, "A robust, real-time ground change detector for a "smart" walker", VISAPP 2014, 9th Int. Conf. on Computer Vision Theory and Applications, 5-8 January 2014, Lisbon, Portugal.

16. G. Chanel, G. Molinari, D. Cereghetti, T. Pun and M. Bétrancourt, "Assessment of computer-supported collaborative processes using interpersonal physiological and eye-movement coupling", ACII 2013, 5th Int. Conf. Affective Computing and Intelligent Interaction, Geneva, Switzerland, Sept. 2-5, 2013.
17. G. Bologna, J. D. Gomez, T. Pun, "Vision substitution experiments with See CoLoR", IWINAC2013, 5th. Int. Workshop on the Interplay between Natural and Artificial Computation, Mallorca, Balearic Islands, Spain, June 10-14, 2013.
18. G. Molinari, G. Chanel, M Btrancourt, T. Pun, C. Bozelle, "Emotion feedback during computer-mediated collaboration: Effects on self-reported emotions and perceived interaction", CSCL 2013, 10th Int. Conf. on Computer Supported Collaborative Learning, June 15-19, 2013, University of Wisconsin - Madison, USA.
19. G. Molinari, C. Bozelle, D. Cereghetti, G. Chanel, M Btrancourt, T. Pun, "Feedback motionnel et collaboration mdi-atise par ordinateur: Quand la perception des interactions est lie aux traits motionels", EIAH 2013, Environnements Informatiques pour l'Apprentissage Humain, 6me dition, 29-31 mai 2013, Toulouse, France.
20. G. Chanel, K. Kalogianni, T. Pun, "GamEMO: How physiological signals show your emotions and enhance your game experience", ACM ICMI, 14th. Int. Conf. on Multimodal Interaction, October 22-26th, 2012, Santa Monica, CA, USA, 297-298.
This demonstration won the Outstanding Demo Runner-Up prize.
21. J. Gomez, G. Bologna, T. Pun, "Real-time image registration of RGB webcams and colorless 3D time-of-flight cameras", Proc. ECCV 2012, 12th Europ. Conf. on Comp. Vision, 7-13 Oct. 2012, Firenze, Italy, A. Fusiello et al., Eds: ECCV 2012 Ws/Demos, Part III, Springer Lecture Notes in Computer Science, Vol. LNCS 7585, 589-592.
22. J. Gomez, G. Bologna, T. Pun, "Non-visual-cueing-based sensing and understanding of nearby entities in aided navigation", ACM ASSETS 2012, 14th Int. ACM SIGACCESS Conf. on Computers and Accessibility, 22-24 Oct. 2012, Boulder, CO, USA (poster, demonstration).
23. J. D. Gomez, G. Bologna, T. Pun, *Spatial awareness and intelligibility for the blind: Audio-touch interaction*, ACM SIGCHI Conf. on Human Factors in Computing Systems, May 5-10, 2012, Austin, TX, USA.
24. J. D. Gomez, S. Mohammed, G. Bologna, T. Pun, *3D scene accessibility for the blind via auditory-multitouch interfaces*, AEGIS Workshop and Int. Conf. "Accessibility Reaching Everywhere", Brussels, Belgium, 28-30 November, 2011.
25. J. Gomez, G. Bologna, T. Pun, *A virtual ceiling mounted depth camera using orthographic Kinect*, ICCV 2011, 13th Int. Conf. on Computer Vision, 6-13 Nov. 2011, Barcelona, Spain (demonstration track with abstract).
26. J. Gomez, S. Mohammed, G. Bologna, T. Pun, *Toward 3D scene understanding via audio-description: Kinect-iPad fusion for the visually impaired*, ACM ASSETS 2011, 24-26 Oct. 2011, Dundee, Scotland (Demonstration track with short paper).
27. J. Gomez, G. Bologna, B. Deville, T. Pun, *Multisource sonification for visual substitution in an auditory memory game: one, or two fingers?*, ICAD 2011, Int. Conf. on Auditory Display, June 20-24, 2011, Budapest, Hungary.
28. M. Soleymani, S. Koelstra, I. Patras, T. Pun, *Continuous emotion detection in response to music videos*, EmoSPACE 2011, 1st Int. Workshop on Emotion Synthesis, rePresentation, and Analysis in Continuous spacE, in conjunction with IEEE FG 2011, March 24-25, 2011, Santa Barbara, CA, USA.
29. T. Pun, *Affective computing and multimodal HCI: issues and examples, Caractrisation de l'tat motionnel partir de signaux physiologiques pour adapter la difficult d'un jeu (Emotion assessment from physiological signals for adaptation of games difficulty)*, Invited talk, GDR-ISIS (Information, Signal, Image et Vision) Workshop on Emotion, Nov. 25, 2010, Lyon, France.
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31. B. Deville, G. Bologna, T. Pun, "Detecting objects and obstacles for visually impaired individuals using visual saliency", ASSETS 2010, 12th Int. ACM SigAccess Conf. on Computers and Accessibility, Demonstrations Track, Oct. 25-27, 2010, Orlando, Florida, USA (extended abstract).
32. S. Koelstra, A. Yazdani, M. Soleymani, C. Mhl, Jong-Seok Lee, A. Nijholt, T. Pun, T. Ebrahimi, and I. Patras, *Single trial classification of EEG and peripheral physiological signals for recognition of emotions induced by music videos*, BI'2010, Brain Informatics, Aug. 28-30, 2010, Toronto, Canada.
33. G. Bologna, B. Deville, T. Pun, *Sonification of color and depth in a mobility aid for blind people*, ICAD 2010, 16th Int. Conf. on Auditory Displays, June 9-15, 2010, Wash. DC, USA.

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35. J. J. M. Kierkels, M. Soleymani, T. Pun, *Identification of narrative peaks in clips: text features perform best*, VideoCLEF 2009, Cross Language Evaluation Forum (CLEF) Workshop, Working Notes (at ECDL 2009, 13th Europ. Conf. on Digital Libraries), Sep. 27 - Oct. 2, 2009, Corfu, Greece.
36. M. Soleymani, J. Davis, T. Pun, *A collaborative personalized affective video retrieval system*, ACII 2009, Int. Conf. on Affective Computing and Intelligent Interaction, Sept. 10-12, 2009, Amsterdam, The Netherlands, 588-589. (Demonstration track, with extended abstract and poster).
37. J. Kierkels, T. Pun, *Simultaneous exploitation of explicit and implicit tags in affect-based multimedia retrieval*, ACII 2009, Int. Conf. on Affective Computing and Intelligent Interaction, Sept. 10-12, 2009, Amsterdam, The Netherlands, 274-279.
38. M. Soleymani, J. Kierkels, G. Chanel, T. Pun, *A Bayesian framework for video affective representation*, ACII 2009, Int. Conf. on Affective Computing and Intelligent Interaction, Sept. 10-12, 2009, Amsterdam, The Netherlands, 267-273.
39. T. Pun, *Emotion assessment from physiological signals for adaptation of games difficulty*, Invited talk, ABCI 2009, Affective Brain-Computer Interfaces Workshop, Sept. 9, 2009, in conjunction with ACII 2009, Int. Conf. on Affective Computing and Intelligent Interaction, Sept. 10-12 2009, Amsterdam, The Netherlands.
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42. G. Bologna, S. Malandain, B. Deville, T. Pun, *The multi-touch See ColOr interface*, ICTA 2009, The 2nd Int. Conf. on Information and Communication Technologies and Accessibility, May 7-9, 2009, Hammamet, Tunisia.
43. S. Voloshynovskiy, O. Koval, F. Beekhof, T. Pun, *Conception and limits of robust perceptual hashing: toward side information assisted hash functions*, 21th Annual IST/SPIE Symposium on Electronic Imaging, Conference EI120: Media Forensics and Security XI, Edward J. Delp III; Jana Dittmann; Nasir D. Memon; Ping Wah Wong, Chairs, 27-31 Jan. 2009, San Jose, CA, USA.
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45. M. Soleymani, G. Chanel, J. Kierkels, T. Pun, *Affective characterization of movie scenes based on multimedia content analysis and user's physiological emotional responses*, ISM2008, IEEE International Symposium on Multimedia, December 15-17, 2008, Berkeley, California, USA, 228-235. (Talk given by T. Pun)
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47. J. J. M. Kierkels, T. Pun, *Towards detection of interest during movie scenes*, MIAUCE - First Int. Workshop on Multimodal Interactions Analysis of Users in a Controlled Environment, Chania, Crete, Greece, October 24, 2008 (Post-conf. workshop, ICMI 08, 10th Int. Conf. on Multimodal Interfaces, Oct. 20-24, 2008).
48. B. Deville, G. Bologna, M. Vinckenbosch, T. Pun, *Guiding the focus of attention of blind people with visual saliency*, European Conference on Computer Vision (ECCV 2008), Oct. 12-18, 2008, Workshop on Computer Vision Applications for the Visually Impaired (CVAVI 08), Marseille, France, Oct. 18, 2008.
49. G. Chanel, C. Rebetez, M. Betrancourt, T. Pun, *Boredom, engagement and anxiety as indicators for adaptation to difficulty in games*, 11th MindTrek Conference, MindTrek 2008: Entertainment and Media in the Ubiquitous Era, October 7-9, 2008, Tampere, Finland.
50. M. Soleymani, G. Chanel, J. Kierkels, T. Pun, *Valence-arousal representation of movie scenes based on multimedia content analysis and user's physiological emotional responses*, MLMI 2008, 5th Joint Workshop on Machine Learning and Multimodal Interaction, 8-10 Sept. 2008, Utrecht, The Netherlands. (PhD student poster session, with extended abstract).

51. S. Voloshynovskiy, O. Koval, T. Pun, *Multimodal authentication based on random projections and distributed coding*, 10th ACM Workshop on Multimedia and Security, Sept. 22-23, 2008, Oxford, UK.
52. O. Koval, S. Voloshynovskiy, T. Pun, *Privacy-preserving multimodal person and object identification*, 10th ACM Workshop on Multimedia and Security, Sept. 22-23, 2008, Oxford, UK.
53. O. Koval, S. Voloshynovskiy, T. Pun, *Privacy preserving biometric person identification*, EUSIPCO-2008 - 16th European Signal Processing Conference, August 25-29, 2008, Lausanne, Switzerland.
54. G. Bologna, B. Deville, and T. Pun, *Pairing colored socks and following a red serpentine with sounds of musical instruments*, ICAD 08, Int. Conf. on Auditory Displays, June 24-27, Paris, France.
55. G. Bologna, B. Deville, M. Vinckenbosch and T. Pun, *A perceptual interface for vision substitution in a color matching experiment*, IEEE IJCNN, Int. Joint Conf. Neural Networks, Part of IEEE World Congress on Computational Intelligence, June 1-6, 2008, Hong Kong. Published in Neural Networks, 2008, 1621 - 1628, DOI: 10.1109/IJCNN.2008.4634014.
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57. S. Voloshynovskiy, O. Koval, F. Beekhof, T. Pun, *Unclonable identification and authentication based on reference list decoding*, SECSI, Workshop on Secure Component and System Identification, March 17-18, 2008, Berlin, Germany.
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61. O. Koval, S. Voloshynovskiy, F. Beekhof and T. Pun, *Analysis of physical unclonable identification based on reference list decoding*, in Proc. 20th Annual IST/SPIE Symposium on Electronic Imaging, Conference on Security, Forensics, Steganography, and Watermarking of Multimedia Contents X, Vol. 6819, E. J. Delp III, P. W. Wong, J. Dittmann, N. D. Memon, Eds., 27-31 January 2008, San Jose, CA, USA. paper 6819-10.
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65. S. Voloshynovskiy, O. Koval, F. Beekhof, T. Pun, *Robust perceptual hashing as classification problem: decision-theoretic and practical considerations*, IEEE MMSP 2007, Int. Workshop on Multimedia Signal Processing, Chania, Crete, Greece, October 1-3, 2007.
66. R. Rytzar, T. Pun, *Human head models for the EEG forward problem*, International ECCOMAS Thematic Conference VipIMAGE 2007, 17-19th October 2007, FEUP, Porto, Portugal. In: Computational Vision and Medical Image Processing, J. Tavares, N. Jorge, Eds., Taylor and Francis Group, London, 2008, 41-46.
67. G. Chanel, K. Ansari-Asl, T. Pun, *Valence-arousal evaluation using physiological signals in an emotion recall paradigm*, 2007 IEEE SMC, Int. Conf. on Systems, Man and Cybernetics, Smart cooperative systems and cybernetics: advancing knowledge and security for humanity, Montreal, Canada, Oct. 7-10, 2007.
68. K. Ansari-Asl, G. Chanel, T. Pun, *A channel selection method for EEG classification in emotion assessment based on synchronization likelihood*, Eusipco 2007, 15th Eur. Signal Proc. Conf., Sept. 3-7, 2007, Poznan, Poland.

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72. E. Topak, S. Voloshynovskiy, O. Koval and T. Pun, *Sensitivity and reversibility on one line*, Security, Steganography, and Watermarking of Multimedia Contents IX (EL 120), IS and T / SPIE Electronic Imaging, 28 January-1 February 2007, San Jose, California, USA.
73. R. Villn, S. Voloshynovskiy, O. Koval, F. Deguillaume and T. Pun, *Tamper-proofing of electronic and printed text documents*, Security, Steganography, and Watermarking of Multimedia Contents IX (EL 120), IS and T / SPIE Electronic Imaging, 28 January-1 February 2007, San Jose, California, USA.
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4. Other conferences

1. M. Fritz, S. Avry, G. Chanel, T. Pun, G. Molinari, M. Btrancourt, "Real-Time Emotion Self-Report with the Dynamic Emotion Wheel", Annual Research Forum, Swiss Center for Affective Sciences, March 3-4, 2016, Geneva, Switzerland (poster).
2. M. Muszynski, T. Kostoulas, G. Chanel, P. Lombardo, T. Pun, "Spectators' synchronization detection based on physiological signals: application to movie highlights detection", Annual Research Forum, Swiss Center for Affective Sciences, March 3-4, 2016, Geneva, Switzerland (poster).
3. S. Avry, G. Chanel, T. Pun, G. Molinari, M. Btrancourt, "Impact of control and value feedbacks on emotions and collaborative strategies during computer-mediated collaborative problem-solving task", Annual Research Forum, Swiss Center for Affective Sciences, March 3-4, 2016, Geneva, Switzerland (talk).
4. T. Pun, S. Cloix, G. Bologna, V. Weiss, D. Hasler, "EyeWalker: Ultralight low-cost vision system for mobility aids", Hasler Smartworld Workshop, November 2-3, 2015, Fribourg, Switzerland.
5. M. Muszynski, T. Kostoulas, G. Chanel, P. Lombardo, T. Pun, "Spectators' synchronization detection based on manifold representation of physiological signals: application to movie highlights detection", BBL/CIBM Research day, Sept. 28, 2015, Brain-and-Behavior Laboratory, Univ. of Geneva, Switzerland (poster). Also at: Inauguration of the Swiss Doctoral School in Affective Sciences, University of Geneva, Campus Biotech, Geneva, Switzerland.
6. T. Pun, D. Hasler, G. Bologna, S. Cloix, V. Weiss, "The EyeWalker Project", Meeting Community Resourcing Worldwide, Gerontechnology projects in Western Switzerland, June 8, 2015, University of Geneva, Switzerland. (Talk by Guido Bologna).
7. V. Weiss, G. Bologna, S. Cloix, C. Bernier, D. Hasler, T. Pun, "Eyewalker: Vers un dambulateur "intelligent" dtectant des situations risque", Journe de sensibilisation aux grontechnologies 2015 - Innovations technologiques: dfis thiques et juridiques, IMAD - Institution Genevoise de Maintien Domicile, 4 mars 2015, Geneva, Switzerland.
8. S. Avry, G. Molinari, G. Chanel, M. Btrancourt, T. Pun, "The display (or masking) of emotions during computer-mediated interaction: A relationship with reappraisal", ISRE 2015, Int. Soc. Research Emotion, July 7 - 11, 2015, Geneva, Switzerland (abstract, poster).
9. M. A. Fritz, M. Btrancourt, G. Molinari, G. Chanel, T. Pun, "Dynamic Emotion Wheel: an Emotional Awareness Tool for Computer-Supported Collaboration", ISRE 2015, Int. Soc. Research Emotion, July 7 - 11, 2015, Geneva, Switzerland (abstract, poster).
10. T. Kostoulas, G. Chanel, M. Muszynski, P. Lombardo, T. Pun, "Identifying aesthetic highlights in movies from physiological and behavioral synchronization", ISRE 2015, Int. Soc. Research Emotion, July 7 - 11, 2015, Geneva, Switzerland (abstract, poster).
11. S. Avry, G. Molinari, G. Chanel, M. Btrancourt, T. Pun, "EATMINT, Emotional Awareness Tools for Mediated INTeraction", Colloque E-Learning 3.0, 17-18 Octobre 2014, TECFA, Universit de Genve, Switzerland (poster).
12. G. Bologna, V. Weiss, S. Cloix, C. Bernier, D. Hasler, T. Pun, "Vers un dambulateur "intelligent" dtectant des situations risque", 21e Congrs de la Socit Francophone Posture Equilibre et Locomotion (SOFPEL), 5-6 Dec. 2014, Rennes, France (oral prentation and abstract).
13. T. Pun, V. Weiss, S. Cloix, G. Bologna, D. Hasler, "EyeWalker: Ultralight low-cost vision system for mobility aids", Hasler Smartworld Workshop, June 18-19, 2014, Thun, Switzerland.

14. T. Pun, F. Vanel, "Affect sensing", GCC - Geneva Creativity Center Tech Lunch 6, June 12, 2014.
15. T. Pun, "Affective computing for human-human interaction: application to mediated remote cooperation", Invited talk, June 23, 2014, Emotions Laboratory, Univ. of Ulm, Germany.
16. G. Molinari, G. Chanel, D. Cereghetti, M. Btrancourt, T. Pun, "Increasing emotion awareness to improve collaboration in computer-mediated communication", 28th Int. Congress of Applied Psychology, Symposium "New Learning and Teaching Environments for the XXI Century", J. Dinet, M. Btrancourt, J.-M. Boucheix, N. Debue, J. Van der Linden, A. Amiel, C. van de Leemput, S. Fleck, G. Simon, C. Bastien, J. Barcenilla, M. Vanhille, M. Baker, F. Dtienne, A. Tricot, F. Amadiou, July 8-13, 2014, Paris, France.
17. G. Chanel, G. Molinari, D. Cereghetti, M. Btrancourt, T. Pun, "Assessment of collaborative processes and emotions based on multi-person signals", Annual Research Forum, Swiss Center for Affective Sciences, Feb. 13-14, 2014, Geneva, Switzerland.
18. D. Cereghetti, G. Molinari, G. Chanel, T. Pun, M. Btrancourt, "Visual processing of emotions during a computer-mediated collaborative task: An eye tracking study", Annual Research Forum, Swiss Center for Affective Sciences, Feb. 13-14, 2014, Geneva, Switzerland (Poster).
19. T. Kostoulas, G. Chanel, P. Lombardo, T. Pun, "Film, Emotions, and Affective Computing: Detecting aesthetic highlights in movies based on physiological and behavioral signals of spectators", Annual Research Forum, Swiss Center for Affective Sciences, February 13-14, 2014, Geneva, Switzerland (Poster).
20. G. Bologna, S. Cloix, V. Weiss, D. Hasler, T. Pun, "EyeWalker: vers un dambulateur "intelligent" discernant les obstacles et les changements de terrain", 20me CongrS OFPEL, Aux Frontires de la Posture et de la Locomotion, 29-30 novembre 2013, Geneva, Switzerland. *Clinical Neurophysiology*, Vol. 43, No. 6, Nov. 2013, 16.
21. T. Kostoulas, G. Chanel, S. Jarlier, P. Lombardo, T. Pun, "Detecting aesthetic highlight in movies based on physiological and behavioral coupling of spectators: a pilot study", Swiss Nat. Center of Competence NCCR IM2, Final Event, Oct. 17-18, 2013, EPFL - Lausanne, Switzerland.
22. V. Weiss, G. Bologna, S. Cloix, D. Hasler, T. Pun, "A ground change detection algorithm using colour and texture for a smart walker", Swiss Vision Day, May 15, 2013, ETH-Zuerich, Switzerland.
23. S. Cloix, G. Bologna, V. Weiss, T. Pun, D. Hasler, "Object detection and classification using sparse 3D information for a smart walker", Swiss Vision Day, May 15, 2013, ETH-Zuerich, Switzerland.
24. T. Pun, D. Hasler, M. Kocher, G. Bologna, S. Cloix, V. Weiss, "EyeWalker: Ultralight low-cost clipable vision system for mobility aids", Hasler Foundation SmartWorld Workshop, March 13-14, 2013, Spiez, Switzerland.
25. G. Chanel, G. Molinari, C. Bozelle, D. Cereghetti, M. Btrancourt, T. Pun, "Emotion feedback during computer-mediated collaboration", Oral Presentation, Swiss Center for Affective Sciences, Annual Research Forum, Feb. 21-22, 2013, Geneva, Switzerland.
26. G. Chanel, K. Kalogianni, T. Pun, M. Btrancourt, "GamEMO: How Physiological Signals Show your Emotions and Enhance your Game Experience", Poster, Swiss Center for Affective Sciences, Annual Research Forum, Feb. 21-22, 2013, Geneva, Switzerland.
27. G. Chanel, G. Molinari, T. Pun, M. Btrancourt, "EATMI: Emotional awareness tools for mediated interaction", Workshop SONVB, Sensing and Analyzing Nonverbal Behavior in Interactions at Work, Sept. 20-21, 2012, Neuchatel, Switzerland.
28. T. Pun, *Affective computing and multimodal interaction: Overview of activities*, Invited Talk, Technicolor, Rennes, France, August 27th, 2012.
29. T. Pun, "Affective computing: From case-studies to theory", Swiss Center for Affective Sciences, Graduate Seminars Series, Geneva, Switzerland, June 20, 2012. (Tutorial/short course format)
30. G. Chanel, T. Pun, M. Btrancourt, "Overview of activities, Affective computing focus and computational modeling", Oral Presentation, Swiss Center for Affective Sciences, Annual Research Forum, Feb. 9-10, 2012, Geneva, Switzerland.
31. G. Chanel, G. Molinari, T. Pun, M. Btrancourt, "Emotional Awareness Tools for Mediated Interaction", Oral Presentation, Swiss Center for Affective Sciences, Annual Research Forum, Feb. 9-10, 2012, Geneva, Switzerland.
32. C. Chnes, G. Chanel, M. Soleymani, T. Pun, "Highlight detection in movie scenes through physiological linkage", Poster, Swiss Center for Affective Sciences, Annual Research Forum, Feb. 9-10, 2012, Geneva, Switzerland. This poster, along with 2 others, was awarded the Best poster prize by the International Affective Sciences Center Advisory Board.

33. J. D. Gomez, G. Bologna, T. Pun, "Color-audio encoding interface for visual substitution", Zurich Vision Meeting 2011, April 19, 2011 (poster).
34. M. Soleymani, J. Davis, T. Pun, *A collaborative personalized affective video retrieval system*, ACII 2009, Int. Conf. on Affective Computing and Intelligent Interaction, Demonstration track, extended abstract, poster, Sept. 10-12, 2009, Amsterdam, The Netherlands.
35. T. Pun, J. Kierkels, *Affective computing for multimodal interaction*, CHORUS workshop on Affect, Appeal, and Sentiment as Factors Influencing Interaction with Multimedia Information 2009, May 28, 2009, European Commission, Brussels, Belgium.
By invitation.
36. J. Kierkels, T. Pun, *Tags and queries in affect-based multimedia retrieval*, Petamedia EU project Audit, Delft, The Netherlands, April 2, 2009. (Extended abstract and poster)
37. M. Soleymani and T. Pun, *Affective representation of movie scenes based on multimedia content analysis and user's physiological emotional responses*, and *Overview of research at the Computer Vision and Multimedia Laboratory, Multimodal Interaction Group*, Dec. 15, 2008, NEC Laboratories America, Cupertino, CA, USA. (Talks given by T. Pun)
38. J.-M. Pignat, O. Koval, S. Voloshynovskiy, T. Pun, *Filtering performance in ICA analysis for fMRI data: an analytical and empirical proof*, Lemanic-Neuroscience Annual Meeting, Sept. 12-13, 2008, Les Diablerets, Switzerland.
39. J. M. Kierkels, T. Pun, *Towards detection of interest during movie scenes*, 2008 PetaMedia Workshop on Implicit, Human-Centered Tagging (HCT), Sept. 5, 2008, Queen Mary University London, London, UK.
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