

Prof.dr. Alan Hanjalic



Alan Hanjalic is a professor of computer science at the Delft University of Technology (TU Delft), Delft, The Netherlands, and founder and head of the Multimedia Computing Group. He received his Ph.D. in 1999 from the Delft University of Technology and his Diplom-Ingenieur (Dipl.-Ing.) degree in 1995 from the Friedrich-Alexander University in Erlangen, Germany, both in Electrical Engineering. He was a visiting scientist at Hewlett-Packard Labs in Palo Alto CA, USA, in 1998, a research fellow at British Telecom Labs, Ipswich, UK, in 2001, and a visiting scientist at Philips Research Labs at Briarcliff Manor NY, USA, in 2003, as well as at Microsoft Research Asia, Beijing, China, in 2005. In the time period 2017-2021,

Prof. Hanjalic is active as an invited international expert in the *Project 111* of the University of Electronic Science and Technology China (UESTC), Chengdu, China.

Research interests and expertise of Prof. Hanjalic are in the fields of multimedia information retrieval, in which he (co)invented 1 patent and (co-)authored more than 150 publications, among which the books titled *Image and Video Databases: Restoration, Watermarking and Retrieval* (Elsevier, 2000), *Content-Based Analysis of Digital Video* (Kluwer Academic Publishers, 2004) and *Online Multimedia Advertising: Techniques and Technologies* (IGI Global, 2010). The fundamental question Prof. Hanjalic is interested in is how to provide efficient, effective and intuitive access to and interaction with information stored in large (multimedia) data collections in a variety of use scenarios involving both search and recommendation.

In 2012, he was awarded the Antoni van Leeuwenhoek Chair, which is “reserved for the best young scientists at the Delft University of Technology” (quote: TU Delft). He is also co-recipient of the *Best Paper Award* at the ACM Conference on Recommender Systems (RecSys) 2012, of the *Multimedia Grand Challenge Award* at the ACM International Conference on Multimedia (ACM Multimedia) 2015 and of the *Overall Winner Award* at the ACM RecSys 2010 CAMRa Challenge. In 2016, he was named *IEEE Fellow* for his contribution to the field of multimedia information retrieval.

Prof. Hanjalic is Associate Editor-in-Chief of the IEEE Multimedia Magazine (since 2014) and a member of the IEEE Image, Video, and Multidimensional Signal Processing Technical Committee (2015-2017). In the time period 2014-2016, he was appointed by the IEEE Signal Processing Society as the Chair of the Steering Committee of the IEEE Transactions on Multimedia. Prior to this, he was a member (IEEE Signal Processing Society’s Vice-President Publications designee) of this Steering Committee (2012-2014) and also a member of the IEEE Technical Committee on Multimedia Signal Processing (2011-2013). Furthermore, Prof. Hanjalic has served as a member of Editorial Boards of several scientific journals, among which the IEEE Transactions on Multimedia (2006-2014), the IEEE Transactions on Affective Computing (2010-2016), the ACM Transactions on Multimedia (since 2015) and the Springer International Journal of Multimedia Information Retrieval (since 2011). In addition, he was a Guest Editor of seven special issues in the leading journals in the field of multimedia, including the Proceedings of the IEEE, IEEE Transactions on Multimedia, IEEE Transactions on Affective Computing and IEEE Multimedia Magazine.

He has served on the organizing committees of all major conferences in the multimedia field, including the ACM Multimedia Conference (General Chair 2009 and 2016, Program Chair 2007 and 2014), IEEE ICME (Program Chair 2012 and 2013), ACM ICMR conference (Program Chair 2011) and ACM CIVR conference (Program Chair 2008). As of 2015, Prof. Hanjalic is a member of the Steering Committee of the ACM Multimedia conference series.

Prof. Hanjalic was an invited (keynote/plenary) speaker at several international events, among which the IEEE International Workshop on Multimedia Signal Processing (IEEE MMSP) 2013, the International Conference on Multimedia Modeling 2012, and at the Pacific-Rim Conference on Multimedia 2007.

1. CONTACT DETAILS

Delft University of Technology (TU Delft)
Faculty of Electrical Engineering, Mathematics and Computer Science (EEMCS)
Department of Intelligent Systems
Multimedia Computing Group

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2. EDUCATION

- Ph.D. (1999), Delft University of Technology,
 - Dissertation: *Visual-Content Analysis for Multimedia Retrieval Systems*
 - Advisors: Prof. Reginald L. Lagendijk and Prof. Jan Biemond
- Diplom-Ingenieur (1995), Friedrich-Alexander University, Erlangen, Germany,
 - Thesis: *Estimation of 3D Structure and Motion from Monocular Image Sequence (in German)*,
 - Advisors: Prof. Bernd Girod (Stanford University, USA) and Prof. Eckehard Steinbach (TU Munich, Germany)

3. ACADEMIC POSITIONS @ TU Delft

- Member, **EEMCS Academic Career Development Committee** (Loopbaancommissie) 2016 - present
- Member, **Board of Professors** (Raad van Hoogleraren) 2015 - present
- Chair, **Board of Studies** (Opleidingscommissie) **Computer Science** 2014 - present
- Founder and Head, **Multimedia Computing Group** 2014 - present
- Head, **Multimedia Signal Processing Group** 2012 - 2013
- Professor, **Antoni van Leeuwenhoek Chair** 2012 - present
- Founder and Coordinator, **Delft Multimedia Information Retrieval Lab** 2009 - 2013
- Associate Professor, Department of Mediamatics 2005 - 2012
- Assistant Professor, Department of Mediamatics 1999 - 2005

4. ACADEMIC VISITS

- UESTC, Chengdu, China yearly, 2017-2021 Host: Prof. Heng Tao Shen
- University of Granada, Granada, Spain yearly, 2008-2013 Host: Dr. Jesus Chamorro
- Microsoft Research Asia, Beijing, China July 2005 Host: Dr. Hsiao-Wuen Hon
- Philips Research, Briarcliff Manor, USA June-July 2003 Host: Dr. Nevenka Dimitrova
- British Telecom Labs, Ipswich, UK December 2000 – January 2001 Host: Dr. Li-Qun Xu
- Hewlett-Packard Labs, Palo Alto, USA May – September 1998 Host: Dr. Hong-Jiang Zhang

5. PROFESSIONAL APPOINTMENTS AND COMMITTEE MEMBERSHIPS

- Chair, Steering Committee, IEEE Transactions on Multimedia 2014-2016
- Associate Editor-in-Chief, IEEE Multimedia Magazine, responsible for special issues 2014-present
- Member, Steering Committee, ACM International Conference on Multimedia series 2015-2018
- Member, IEEE Image, Video, and Multidimensional Signal Processing Technical Committee 2015-2017
- Member, Steering Committee, IEEE Transactions on Multimedia 2012-2014
- Member, IEEE Technical Committee on Multimedia Signal Processing 2011-2013
- Editorial Board member:
 - ACM Transactions on Multimedia 2015-present
 - IEEE Transactions on Multimedia 2006 - 2014
 - IEEE Transactions on Affective Computing 2010 - 2016
 - Springer International Journal of Multimedia Information Retrieval 2011-present
 - Elsevier Image and Vision Computing journal 2009 - 2013
 - Hindawi Advances in Multimedia journal 2009 - 2013
 - Journal of Multimedia (Academy Publisher) 2006 - 2014

6. CONFERENCE/WORKSHOPS CHAIRS (selected)

- **General Chair**
 - ACM Multimedia Conference 2016, Amsterdam, The Netherlands
 - ACM Multimedia Conference 2009, Beijing, China
 - IS&T/SPIE Conference on Multimedia Content Access: Algorithms and Systems, 2007, San Jose, USA
 - IS&T/SPIE Conference on Multimedia Content Analysis, Management and Retrieval, 2006, San Jose, USA
- **Program Chair**
 - ACM Multimedia Conference 2014, Orlando, Florida, USA
 - IEEE International Conference on Multimedia and EXPO (ICME) 2013, San Jose, USA
 - IEEE International Conference on Multimedia and EXPO (ICME) 2012, Melbourne, Australia
 - ACM International Conference on Multimedia Retrieval (ICMR) 2011, Trento, Italy
 - International Workshop on Content-based Multimedia Retrieval (CBMI) 2010, Grenoble, France
 - ACM Conference on Image and Video Retrieval (CIVR) 2008, Niagara Falls, Canada
 - ACM Multimedia Conference 2007, Augsburg, Germany
- **Area/Track Chair/Senior PC member**
 - ACM Recommender Systems Conference, 2015 (Vienna, Austria) and 2017 (Como, Italy)
 - IEEE International Conference on Image Processing 2011, Brussels, Belgium
 - IEEE International Conference on Image Processing 2010, Hong Kong
 - WWW 2008 conference, Beijing (China)
 - International Conference on Multimedia Modeling 2007, Singapore
 - Pacific Rim Conference on Multimedia 2007, Hong Kong
 - IEEE International Conference on Multimedia and EXPO 2007, Beijing (China)

7. KEYNOTE/PLENARY TALKS

- *Trends and Challenges in Multimedia Information Retrieval*, IEEE International Workshop on Multimedia Signal Processing, Sardinia, Italy, September 2013
- *Advances in Multimedia Information Retrieval*, ELMAR conference, Zadar, Croatia, September 2012
- *A New Gap to Bridge: Where to go Next in Social Media Retrieval?*, International Multimedia Modeling Conference, Klagenfurt, Austria, January 2012
- *Content You Like Anytime and Anyplace: Multimedia Research for New TV Concepts*, Pacific-Rim Conference on Multimedia, Hong Kong, December 2007

8. OTHER INVITED TALKS (selected)

- *On Intent-Aware Video Search*, University of Bordeaux, France, November 2014
- *On User Intent in Video Search*, International Symposium on Social Multimedia Computing (ISSMC), Beijing, China, September 2014
- *On the ICT Challenges for Digital Heritage Going Social*, Economies of the Commons Conference: Sustainable Futures for Digital Archives, Amsterdam, October 2012
- *From Technology-Inspired towards Utility-Centered Multimedia Information Retrieval*, International Workshop on Search Computing, Brussels, September 2012
- *Bridging the Utility Gap: Challenges, Pitfalls and Opportunities in Social Multimedia Retrieval*, Telefonica R&D, Barcelona, Spain, July 2011
- *Integration of Feature-based Analysis and Social Indexing for Improved Multimedia Content Access*, Dagstuhl Seminar on Contextual and Social Media Understanding and Usage, Dagstuhl, Germany, June 2008
- *Multimedia Retrieval New Style: More Reliability through New Synergies*, Plenary Theme Presentation at the Dutch Advanced Graduate Research School on Computing and Imaging (ASCI) 2008 conference, Heijen, June 2008
- *Towards generic mechanisms for video highlighting and summarization*, Philips Research, Eindhoven, August 2006
- *Paradigm Shifts in Video Content Analysis Needed: The Why's and How's of Generic VCA Methods*, Dagstuhl Seminar on Content-based Retrieval, Dagstuhl, Germany, April 2006
- *Moving Away from Narrow-Scope Solutions in Multimedia Content Analysis: Needs, Challenges and Dilemmas*, Multimedia Workshop, Microsoft Research Asia, Beijing, China, July 2005
- *Affective Video Content Analysis: The needs and possibilities*, Philips Research, Briarcliff Manor NY, USA, June 2003

9. AWARDS AND HONORS

- Invited international expert, *Project 111* of the University of Electronic Science and Technology of China (“*To strengthen the university’s international collaborations with global research leaders*”), 2017-2021
- Named an IEEE Fellow (Class of 2016) *for contributions to multimedia information retrieval*
- Awarded the Antoni van Leeuwenhoek Chair at the Delft University of Technology (“*The Antoni van Leeuwenhoek (AvL) appointments at TU Delft are reserved for the best young Delft scientists.*”, Source: Delft University of Technology), February 2012
- Best Paper Award, ACM Recommender Systems 2012 conference, together with Y. Shi, A. Karatzoglou, L. Baltrunas, M. Larson and N. Oliver
- Winner, ACM Multimedia 2015 Grand Challenge, together with J. Choi, E. Kim, M. Larson and G. Friedland
- Winner, ACM Recommender Systems 2010 Challenge on Context-aware Movie Recommendation (CAMRa), together with Y. Shi and M. Larson
- ACM Recognition of Service Award 2007, 2009

10. PROFESSIONAL ACTIVITIES (selected)

- Member, Program Committee of the Dutch STW Maps4Society research program, 2013-2016
- Member, Scientific Committee, ASCI Research School
- Scientific coordinator, EU FP7 STREP project Phenix, 2013-2016
- Project leader, project “Socially-Enriched Access to Linked Cultural Media”, Dutch FES COMMIT research program, 2011-2016
- Co-initiator and member of the Steering Board, EU FP7 Network of Excellence “PetaMedia”, 2008-2011
- Member, expert panel evaluating project teams of INRIA, France, October 2010
- Project leader, Project “Video at your Fingertips”, Dutch BSIK MultimediaN research program, 2004 - 2009
- Coordinator of the Strategic Research Agenda on Natural and Intuitive Interaction and Information Access, Dutch National Center for Research on ICT (NIRICT), 2006-2008
- Examiner/assessor of Ph.D. theses, funding proposals and academic promotions at universities: EPFL, TU Munich, Nanyang Technological University, SUNY Albany, Dublin City University, City University of Hong Kong, Monash University, Florida Atlantic University, universities of Newcastle, Bordeaux, Twente, Lille, Surrey, Amsterdam, Klagenfurt, Alabama and Miami

11. PANELS AND TUTORIALS (selected)

- Invited lecturer, IEEE-EURASIP Summer School on Signal Processing (Semantics in Media) 2016
- Half-day tutorial *Frontiers in Multimedia Search* (together with M. Larson)
 - ACM Multimedia 2010 conference, Florence, Italy 2010, number of attendees: 50+
 - ACM Multimedia 2011 conference, Scottsdale, USA 2011, number of attendees: 50+
- Chair, Panel *The Influence of Internet Hypes on Multimedia Information Retrieval Research*, ACM Conference on Multimedia Information Retrieval 2010
- Chair, Panel *Multimedia: A Buzzword or a World of Possibilities?* Picture Coding Symposium 2007
- Member, Panel *Multimedia processing beyond TRECVID*, ACM Multimedia Conference 2007
- Member, Panel *New Frontiers of Media Management and Media Content Analysis*, SPIE/IS&T ELECTRONIC IMAGING: Storage and Retrieval for Media Databases 2001

12. ACQUIRED RESEARCH FUNDING

- EU FP7 STREP project “PHENICX”, 2013-2016, 2.8 MEuro (**670 kEuro** for TU Delft)
- EU FP7 Integrated project “CUBRIK”, 2011-2014, **410 kEuro**
- Dutch FES COMMIT project “SEALINCMedia”, 2011 – 2016, 2.5 MEuro (**710 kEuro** for TU Delft)
- Google European Doctoral Fellowship for Cynthia Liem, 2010-2013, **160 kEuro**
- Google European Doctoral Fellowship for Christoph Kofler, 2013-2015, **160 kEuro**
- EU FP7 Network of Excellence “PetaMedia”, 2008-2012, 4.4 MEuro (**1.5 MEuro** for TU Delft)
- Dutch BSIK MultimediaN project “Video at your Fingertips”, 2004 – 2009, 1.3 MEuro (**600 kEuro** for TU Delft)
- Philips Research (in the scope of BSIK MultimediaN), 2004 – 2009, **180 kEuro**
- Joint projects with Auxilium BV, ICT Delft Research Center and BSIK MultimediaN, 2007-2009, **140 kEuro**

13. SUPERVISOR OF THE FOLLOWING (completed) Ph.D. THESES

1. Dr. ir. **Richard den Hollander**, *Random Sampling Methods for Two-View Geometry Estimation*, May 2007
2. Dr. **Lie Lu**, *Content Discovery from Composite Audio: An Unsupervised Approach*, December 2009
3. Dr. **Umut Naci**, *Multimedia Content Analysis, Indexing and Summarization: A perspective on real-life use-cases*, January 2010
4. Dr. **Hasan Celik**, *Dominant Object Detection for Autonomous Vision-Based Surveillance*, February 2010
5. Dr. **Stevan Rudinac**, *Advancing the Relevance Criteria for Video Search and Visual Summarization*, May 2013
6. Dr. **Yue Shi**, *Ranking and Context-Awareness in Recommender Systems*, June 2013
7. Dr. **Linjun Yang**, *Advanced Retrieval Models for Web Image Search*, July 2013
8. Dr. **Christoph Kofler**, *User Intent in Online Video Search*, November 2015
9. Dr. **Cynthia Liem**, *Multifaceted Approaches to Music Information Retrieval*, November 2015
10. Dr. **Xinchao Li**, *Large Scale Image Retrieval for Location Estimation*, October 2016

14. PUBLICATIONS AND PATENTS

Prof. Hanjalic is co-inventor of one patent and has (co-)authored and (co-)edited 3 books, 8 invited book chapters/sections, 40+ international journal publications, 100+ papers in scientific conferences and 8 special issues/sections in top-level IEEE journals (among which the Proceedings of the IEEE and IEEE Trans. on Multimedia). His publications resulted from collaborations with different teams of authors/editors and have led to 5600+ citations and H-index of 36 (source: Google Scholar). Twelve publications (including one of the books) have received more than 100 citations. Four best cited journal papers (in all as first author) have received 600+, 500+, 400+ and 300+ citations.

Patents

1. L.-Q. Xu, **A. Hanjalic** (inventors), *Image Processing for Analyzing Video Content*, United States Patent US 7,593,618 B2, September 2009, Assignee: British Telecommunications plc.

Books

1. T. Mei, X.-S. Hua, **A. Hanjalic** (Eds.), *Online Multimedia Advertising: Techniques and Technologies*, IGI Global, 2010, ISBN 1609601890
2. **A. Hanjalic**: *Content-Based Analysis of Digital Video*, Kluwer Academic Publishers (now Springer), Norwell, MA, 2004, ISBN 1-4020-8114-6
3. **A. Hanjalic**, G.C. Langelaar, P.M.B. van Roosmalen, J. Biemond, R.L. Lagendijk: *Image and Video Databases: Restoration, Watermarking and Retrieval*, Elsevier Science, Amsterdam (NI), 2000, ISBN 0-444-50502-4

Journal papers

1. **A. Hanjalic**, R.L. Lagendijk, J. Biemond: *Automated High-Level Movie Segmentation for Advanced Video Retrieval Systems*, IEEE Trans. on Circuits and Systems for Video Technology, Vol.9, No.4, pp. 580-588, June 1999
2. **A. Hanjalic**, H. Zhang: *An Integrated Scheme for Automated Video Abstraction based on Unsupervised Cluster-Validity Analysis*, IEEE Trans. on Circuits and Systems for Video Technology, Vol.9, No.8, pp. 1280-1289, December 1999
3. **A. Hanjalic**, R.L. Lagendijk, J. Biemond: *Video Content Analysis: From Low-level Features to Video Semantics*, Int. Journal of Image and Graphics, Vol.1, No.1, World Scientific, Singapore, pp. 63-82, January 2001 (**invited paper**)
4. **A. Hanjalic**, G. Kakes, R.L. Lagendijk, J. Biemond: *Indexing and Retrieval of Broadcast News Programs using DANCERS*, SPIE/IS&T Journal of Electronic Imaging, Vol.10, No.4, pp. 871-882, October 2001
5. **A. Hanjalic**: *Shot-boundary Detection: Unraveled and Resolved?*, IEEE Trans. on Circuits and Systems for Video Technology, Vol.12, No.2, pp. 90-105, Feb. 2002
6. **A. Hanjalic**, L.-Q. Xu: *Affective Video Content Representation and Modeling*, IEEE Trans. on Multimedia, Vol.7, No.1, pp. 143-154, February 2005
7. **A. Hanjalic**: *Adaptive Extraction of Highlights from a Sport Video based on Excitement Modeling*, IEEE Trans. on Multimedia, Vol.7, No.6, pp. 1114-1122, December 2005
8. **A. Hanjalic**: *Extracting Moods from Pictures and Sounds: Towards Truly Personalized TV*, IEEE Signal Processing Magazine, Vol.23, Issue 2, pp. 90-100, March 2006
9. R. Cai, L. Lu, **A. Hanjalic**, H.-J. Zhang, L.-H. Cai: *A Flexible Framework for Key Audio Effects Detection and Auditory Context Inference*, IEEE Trans. on Speech and Audio Processing, Vo.14, Issue 3, pp. 1026-1039, May 2006

10. **A. Hanjalic**: *Towards Theoretical Performance Limits of Video Parsing*, IEEE Trans. on Circuits and Systems for Video Technology, Vol.17, Issue 3, pp. 261-272, March 2007 (**invited paper**)
11. L. Lu, **A. Hanjalic**: *Audio Keywords Discovery for Text-Like Audio Content Analysis and Retrieval*, IEEE Trans. on Multimedia, Vol.10, Issue 1, pp. 74-85, January 2008
12. **A. Hanjalic**, R. Lienhart, W.-Y. Ma, J.R. Smith: *The Holy Grail in Multimedia Information Retrieval: So Close or Yet So Far Away?*, Proceedings of the IEEE, Special Issue on Advances in Multimedia Information Retrieval (**editorial paper**), April 2008
13. R. Cai, L. Lu, **A. Hanjalic**: *Co-Clustering for Auditory Scene Categorization*, IEEE Trans. on Multimedia, Vol.10, Issue 4, pp. 596-606, June 2008
14. L. Lu, **A. Hanjalic**: *Text-Like Segmentation of General Audio for Content-Based Retrieval*, IEEE Trans. on Multimedia, Vol. 11, Issue 4, pp. 658-669, June 2009
15. B. Kroon, S. Maas, S. Boughorbel, **A. Hanjalic**: *Eye Localization in Low and Standard Definition Content with Application to Face Matching*, Computer Vision and Image Understanding, Volume 113, Issue 8, Pages 921-933, August 2009
16. H. Celik, **A. Hanjalic**, E.A. Hendriks: *Unsupervised and Simultaneous Training of Multiple Object Detectors from Unlabeled Surveillance Video*, Computer Vision and Image Understanding, Volume 113, Issue 10, Pages 1076-1094, October 2009
17. E.A.P. Smits, **A. Hanjalic**: *A System Concept for Socially Enriched Access to Soccer Video Collections*, IEEE Multimedia magazine, Vol.17, Issue 4, Pages 26-34, October-December 2010
18. L. Yang, B. Geng, **A. Hanjalic**, X.-S. Hua: *A Unified Context Model for Web Image Retrieval*, ACM Trans. on Multimedia Computing, Communications and Applications (TOMCCAP), Vol.2, No.3, May 2011
19. H. Celik, **A. Hanjalic**, E.A. Hendriks: *A Framework for Unsupervised Training of Object Detectors from Unlabeled Surveillance Video*, Journal of Ambient Intelligence and Smart Environments, Special Issue on Computer Vision for Ambient Intelligence, Vol. 3, Issue 3, pp. 213-235, August 2011
20. L. Yang, B. Geng, Y. Cai, **A. Hanjalic**, X.-S. Hua: *Object Retrieval using Visual Query Context*, IEEE Trans. on Multimedia, Vol. 13, Issue 6, pp.1295 – 1307, December 2011
21. L. Yang, **A. Hanjalic**: *Prototype-based Image Search Reranking*, IEEE Trans. on Multimedia, Vol. 14, No. 3, pp.871-882, June 2012
22. **A. Hanjalic**: *New Grand Challenge for Multimedia Information Retrieval: Bridging the Utility Gap*, International Journal of Multimedia Information Retrieval, Vol.1, Issue.3, October 2012 (**invited paper**)
23. S. Rudinac, M. Larson, **A Hanjalic**: *Leveraging Visual Concepts and Query Expansion Selection for Semantic Theme level Video Retrieval*, International Journal of Multimedia Information Retrieval, Vol.1, Issue 4, pp.263-280, December 2012
24. Y. Shi, M.A. Larson, **A. Hanjalic**: *Mining Contextual Movie Similarity with Matrix Factorization for Context-Aware Recommendation*, ACM Trans. on Intelligent Systems and Technology, Vol. 4, Issue 1, January 2013
25. C.C.S. Liem, M.A. Larson, **A. Hanjalic**: *When Music Makes a Scene - Characterizing Music in Multimedia Contexts via User Scene Descriptions*, International Journal of Multimedia Information Retrieval, , Vol. 2, Issue 1, pp 15-30, March 2013
26. Y. Shi, M.A. Larson, **A. Hanjalic**: *Unifying Rating-oriented and Ranking-oriented Collaborative Filtering for Improved Recommendation*, Information Sciences Journal (Elsevier), Vol. 229, pp. 29-39, April 2013
27. L. Yang, **A. Hanjalic**: *Learning to Rerank Web Images*, IEEE MultiMedia, Vol. 20 , Issue: 2, pp. 13 – 21, April-June 2013
28. S. Rudinac, M. Larson, **A Hanjalic**: *Generating Visual Summaries of Geographic Areas Using Community Contributed Images*, IEEE Trans. on Multimedia, Vol.15, No.4, pp.921-932, June 2013
29. Y. Shi, P. Serdyukov, **A. Hanjalic**, M.A. Larson: *Non-trivial Landmark Recommendation using Geotagged Photos*, ACM Trans. on Intelligent Systems and Technology, Vol.4, No.3, 2013
30. L. Yang, Y. Cai, **A. Hanjalic**, X.-S. Hua, S. Li: *Searching for Images by Video*, International Journal of Multimedia Information Retrieval, Vol.2, Issue 3, pp. 213-225, September 2013
31. **A. Hanjalic**: *Multimedia Retrieval that Matters*, ACM Trans. on Multimedia Computing, Communications and Applications, Special Issue “20 Years of ACM Multimedia”, Vol.9, No.1s, October 2013 (**invited paper**)
32. S. Rudinac, M.A. Larson, **A. Hanjalic**: *Learning Crowdsourced User Preferences for Visual Summarization of Image Collections*, IEEE Trans. on Multimedia, Vol.15, No.6, October 2013
33. Y. Shi, M.A. Larson, **A. Hanjalic**: *Collaborative Filtering beyond the User-Item Matrix*, ACM Computing Surveys, Vol. 47, Issue 1, April 2014
34. M. Soleymani, M.A. Larson, T. Pun, **A. Hanjalic**: *Corpus Development for Affective Video Indexing*, IEEE Trans. on Multimedia, Vol.16, No.4, June 2014
35. C. Kofler, M.A. Larson, **A. Hanjalic**: *Intent-Aware Video Search Result Optimization*, IEEE Trans. on Multimedia, Vol.16, No.5, August 2014
36. C. Kofler, L. Yang, M. Larson, T. Mei, **A. Hanjalic**, S. Li: *Predicting Failing Queries in Video Search*, IEEE Trans. on Multimedia, Vol.16, No.7, November 2014

37. **A. Hanjalic**: *Multimedia Search: From Relevance to Usefulness*, IEEE MultiMedia, Vol.22, No.1, January-March, 2015 (**EiC message**)
38. X. Li, M.A. Larson, **A. Hanjalic**: *Global-Scale Location Prediction for Social Images using Geo-Visual Ranking*, IEEE Trans. on Multimedia, Vol.17, No.5, May 2015
39. C. Kofler, S. Bhattacharya, M.A. Larson, T. Chen, **A. Hanjalic**, S.-F. Chang: *Uploader Intent for Online Video: Typology, Inference and Applications*, IEEE Trans. on Multimedia, Vol.17, No.8, August 2015
40. R. Vliegendhart, M.A. Larson, B. Loni, **A. Hanjalic**: *Exploiting the Deep-Link Commentsphere to Support Non-linear Video Access*, IEEE Trans. on Multimedia, IEEE Trans. on Multimedia, Vol.17, No.8, August 2015
41. A. Bazzica, C.C.S. Liem, **A. Hanjalic**: *On Detecting the Playing/Non-Playing Activity of Musicians in Symphonic Music Videos*, Computer Vision and Image Understanding, November 2015
42. E. Siahhan, **A. Hanjalic**, J.A. Redi: *A Reliable Methodology to Collect Ground Truth Data of Image Aesthetic Appeal*, IEEE Trans. on Multimedia, Vol. 18, No. 7, July 2016
43. C. Kofler, M.A. Larson, **A. Hanjalic**: *User Intent in Multimedia Search: A Survey of the State of the Art and Future Challenges*, ACM Computing Surveys, Vol. 49, Issue 2, August 2016
44. A. Bazzica, C.C.S. Liem, **A. Hanjalic**: *Exploiting Scene Maps and Spatial Relationships in Quasi-Static Scenes for Video Face Clustering*, Image and Vision Computing, Vol.57, January 2017

Book chapters (all invited)

1. L. Lu, **A. Hanjalic**: 5 invited sections titled *Audio, Audio Classification, Audio Content Analysis, Audio Representation and Audio Segmentation*, on in total 27 pages, in Encyclopedia of Database Systems, Ling Lie and Tamer Ozsu (eds.), Springer 2009
2. L. Lu, **A. Hanjalic**: *Audio Content Discovery: An Unsupervised Approach*, In Ajay Divakaran (ed.) *Multimedia Information Retrieval: Theory and Applications*, ISBN 978-0-387-76567-9, Springer 2009, pp. 85-124
3. **A. Hanjalic**: *Datamining for Video Retrieval*, In J.Meij (eds.): *Dealing with Data Flood*, STT, April 2002, pp. 469-479
4. **A. Hanjalic**, R.L. Lagendijk, J. Biemond: *A New Method for Key Frame based Video Content Representation*, In A.W.M. Smeulders and R. Jain (eds.): *Image Databases and Multi-Media Search*, ISBN 981-02-3327-2, World Scientific Singapore, Singapore 1998, pp. 97-110

Journal Special Issues/Sections

1. **A. Hanjalic**, J. Biemond (Eds.): International Journal of Image and Graphics (World Scientific, Singapore), *Special Issue on Image and Video Retrieval*, July 2001
2. **A. Hanjalic**, R. Lienhart, W.-Y. Ma, J.R. Smith (Eds.): Proceedings of the IEEE, *Special Issue on Advances in Multimedia Information Retrieval*, April 2008
3. B. Bailey, N. Sebe. **A. Hanjalic** (Eds.): ACM Transactions on Multimedia Computing, Communications and Applications, *Special Section based on the ACM Multimedia conference 2007*, October 2008
4. J. Luo, Q. Tian, **A. Hanjalic**, A. Jaimes (Eds.): IEEE Transactions on Multimedia, *Special Issue on Integration of Context and Content for Multimedia Management*, February 2009
5. Y. Li, M.-L. Shyu, **A. Hanjalic**, L. Zhang (Eds.): ELSEVIER Journal of Visual Communication and Image Representation, *Special Issue on Emerging Techniques for Multimedia Content Sharing, Search and Understanding*, February 2009
6. C. Xu, **A. Hanjalic**, S. Yan, Q. Liu, A. Smeaton (Eds.): IEEE Transactions on Multimedia, *Special Section on Object and Event Classification in Large-Scale Video Collections*, February 2012
7. S. Illari, F. Sèdes, F. De Natale, **A. Hanjalic** (Eds.): IEEE Multimedia Magazine, Special Issue on *Multimedia Data Management in Mobile Computing*, Vol. 21, No. 1, January–March 2014
8. M. Soleymani, Y.-H. Yang, G. Irie, **A. Hanjalic** (Eds.): IEEE Transactions on Affective Computing, Special Issue on *Advances in Affective Analysis in Multimedia*, Vol.6, No.3, July-September 2015

Papers in Conference Proceedings

1. **A. Hanjalic**, R.L. Lagendijk, J. Biemond: *Achievements and Challenges in Visual Search of Video*, 17th Symposium on Information Theory in the BENELUX, Enschede (NL), 1996
2. **A. Hanjalic**, R.L. Lagendijk, J. Biemond: *A New Key-Frame Allocation Method for Representing Stored Video Streams*, First International Workshop on Image Databases and Multi Media Search, Amsterdam (NL) 1996
3. E. Steinbach, **A. Hanjalic**, B. Girod: *3D Motion and Scene Structure Estimation with Motion Dependent Distortion of Measurement Windows*, IEEE International Conference on Image Processing (ICIP), Lausanne (CH), 1996
4. R.L. Lagendijk, **A. Hanjalic**, M.P. Ceccarelli, M. Soletic, E.H. Persoon: *Visual Search in a SMASH System*, IEEE International Conf. on Image Processing, Lausanne (CH), 1996

5. M. Ceccarelli, **A. Hanjalic**, R.L. Lagendijk: *A Sequence Analysis System for Video Databases*, In V. Cappellini (eds.): *Time-Varying Image Processing and Moving Object Recognition 4*, ISBN 0 444 82307 7, pages 133-138, Elsevier, Amsterdam 1997 (Proceedings of the 5th International Workshop on Time-Varying Image Processing and Moving Object Recognition, Florence, 1996)
6. **A. Hanjalic**, M. Ceccarelli, R.L. Lagendijk, J. Biemond: *Automation of Systems Enabling Search on Stored Video Data*, SPIE/IS&T ELECTRONIC IMAGING, Storage and Retrieval for Image and Video Databases, San Jose (Ca, USA), 1997
7. **A. Hanjalic**, R.L. Lagendijk, J. Biemond: *A Novel Video Parsing Method with Improved Thresholding*, Third Annual Conference of the Advanced School for Computing and Imaging (ASCI), Heijen (NL), 1997
8. J. Zaletelj, R. Pecci, F. Spaan, **A. Hanjalic**, R.L. Lagendijk: *Rate Distortion Optimal Contour Compression Using Cubic B-Splines*, European Signal Processing Conference (EUSIPCO), Rhodos (GR), 1998
9. **A. Hanjalic**, R.L. Lagendijk, J. Biemond: *Template-based Detection of Anchorperson Shots in News Programs*, IEEE International Conference on Image Processing (ICIP), Chicago (USA), 1998
10. **A. Hanjalic**, R.L. Lagendijk, J. Biemond: *Semi-Automatic News Analysis, Classification and Indexing System based on Topics Preselection*, SPIE/IS&T ELECTRONIC IMAGING, Storage and Retrieval for Image and Video Databases VII, San Jose (USA), 1999
11. **A. Hanjalic**, H. Zhang: *Optimal Shot Boundary Detection based on Robust Statistical Models*, IEEE International Conference on Multimedia Computing and Systems (ICMCS), Florence (I), 1999
12. **A. Hanjalic**, R.L. Lagendijk, J. Biemond: *Automatically Segmenting Movies into Logical Story Units*, In D.P. Huijsmans, A.W.M. Smeulders (eds.): *Lecture Notes in Computer Science 1614: Visual Information and Information Systems*, ISBN 3-540-66079-8, pages 229-236, Springer Verlag 1999 (Proceedings of the Third International Conference VISUAL, Amsterdam (NL), June 1999)
13. **A. Hanjalic**, R.L. Lagendijk, J. Biemond: *An Efficient Image CODEC with Reduced Content Access Work*, IEEE International Conference on Image Processing (ICIP), Kobe (JP), 1999
14. **A. Hanjalic**: *Towards a Robust Solution for Image Coding with Easy Content Access*, IS&T/SPIE Visual Communications and Image Processing (VCIP), Perth (AUS), 2000
15. **A. Hanjalic**, R.L. Lagendijk, J. Biemond: *Video Content Analysis: From Visual Features to Video Semantics*, First International Conference on Image and Graphics (ICIG), Tianjin (China), 2000 (plenary presentation)
16. **A. Hanjalic**, G. Kakes, R.L. Lagendijk, J. Biemond: *DANCERS: Delft Advanced News Retrieval System*, SPIE/IS&T ELECTRONIC IMAGING, Storage and Retrieval for Media Databases, San Jose (USA), 2001
17. **A. Hanjalic**: *Video and Image Retrieval beyond the Cognitive Level: The Needs and Possibilities*, SPIE/IS&T ELECTRONIC IMAGING, Storage and Retrieval for Media Databases, San Jose (USA), 2001
18. **A. Hanjalic**: *Video Analysis at the Affective Level: The Needs and Possibilities*, 22nd Symposium on Information Theory in the BENELUX, Enschede (NL), May 2001
19. **A. Hanjalic**, G. Kakes, R.L. Lagendijk, J. Biemond: *Broadcast News Indexing using DANCERS*, IEEE International Conference of Multimedia and Expo, Tokyo (Jp), 2001
20. **A. Hanjalic**, L.-Q. Xu: *User-oriented Affective Video Analysis*, IEEE International Workshop on Content-based Access to Image and Video Libraries, Hawaii (USA), 2001
21. B. Kovar, **A. Hanjalic**: *Logo Appearance Statistics in a Sport Video: Video Indexing for Sponsorship Revenue Control*, SPIE/IS&T ELECTRONIC IMAGING, Storage and Retrieval for Media Databases, San Jose (USA), 2002
22. R.J.M. den Hollander, **A. Hanjalic**: *Evaluation of a string matching technique for logo recognition in video stills*, Ninth Annual Conference of the Advanced School for Computing and Imaging (ASCI), Heijen (NL), 2003
23. **A. Hanjalic**: *Multimodal Approach to Measuring Excitement in Video*, IEEE International Conference on Multimedia and EXPO (ICME), Baltimore (USA), July 2003
24. **A. Hanjalic**: *Generic Approach to Highlight Detection in a Sport Video*, IEEE International Conference on Image Processing (ICIP), Special Session on Sports Video Analysis, Barcelona (E), September 2003
25. R.J.M. den Hollander, **A. Hanjalic**: *Logo Detection in Video by String Matching*, IEEE International Conference on Image Processing (ICIP), Barcelona (E), September 2003
26. R.J.M. den Hollander, **A. Hanjalic**: *Logo Recognition in Video by Frame Sequence Classification*, SPIE/IS&T ELECTRONIC IMAGING, Storage and Retrieval Methods and Applications for Multimedia, San Jose (USA), 2004
27. L. Lu, R. Cai, **A. Hanjalic**: *Towards a Uniform Framework for Content-based Audio Analysis*, IEEE International Conference on Acoustics, Signal and Speech Processing (ICASSP), 2005.
28. Y. van Houten, U. Naci, B. Freiburg, R. Eggermont, S. Schuurman, D. Hollander, J. Reitsma, M. Markslag, J. Kniest, M. Veenstra, **A. Hanjalic**: *The MultimediaN Concert Video Browser*, IEEE International Conference on Multimedia and EXPO (ICME), Amsterdam, 2005
29. J. Nesvadba, P. Fonseca, A. Sinitsyn, H. Broers, A. Korostelev, J. Ypma, B. Kroon, H. Celik, J. Lukkien, **A. Hanjalic**, U. Naci, J. Benois-Pineau, P. de With, J. Han: *Real-Time and Distributed AV Content Analysis System for Consumer Electronics Networks*, IEEE International Conference on Multimedia and EXPO (ICME), Amsterdam, 2005

30. U. Naci, **A. Hanjalic**: *A Unified Framework for Fast and Effective Shot Transition Detection based on Analysis of Spatiotemporal Video Data Blocks*, 4th International Workshop on Content-Based Multimedia Indexing (CBMI), Riga, Latvia, 2005
31. R.J.M. den Hollander, **A. Hanjalic**: *Outlier Identification in Stereo Matches*, 11th Conference of the Advanced School for Computing and Imaging (ASCI), 2005
32. U. Naci, **A. Hanjalic**: *A Unified Framework for Fast and Effective Shot Transition Detection based on Analysis of SpatioTemporal Video Data Blocks*, 11th Conference of the Advanced School of Computing and Imaging (ASCI), 2005
33. J. Nesvadba, **A. Hanjalic**, P. Fonseca, B. Kroon, H. Celik, E. Hendriks, *Towards a real-time and distributed system for face detection, pose estimation and face-related features*, International Conference on Methods and Techniques in Behavioral Research, Wageningen, July, 2005
34. R.J.M. den Hollander, **A. Hanjalic**: *Outlier Identification in Stereo Correspondences using Quadrics*, 16th British Machine Vision Conference, Oxford, UK, 2005
35. L. Lu, R. Cai, **A. Hanjalic**: *Unsupervised Content Discovery in Composite Audio*, ACM Multimedia conference, Singapore, November, 2005
36. **A. Hanjalic**, J. Nesvadba, J. Benois-Pineau: *Moving Away from Narrow-Scope Solutions in Multimedia Content Analysis*, 2nd European Workshop on the Integration of Knowledge, Semantics and Digital Media Technologies, London, UK, November, 2005
37. **A. Hanjalic**, N. Sebe, E.Y. Chang: *Multimedia Content Analysis, Management and Retrieval: Trends and Challenges*, IS&T/SPIE Multimedia Content Analysis, Management and Retrieval 2006 conference, San Jose CA, January, 2006
38. L. Lu, R. Cai, **A. Hanjalic**: *Audio Elements Based Auditory Scene Segmentation*, IEEE International Conference on Acoustics, Signal and Speech Processing (ICASSP), May 2006
39. H Celik, **A. Hanjalic**, E.A. Hendriks: *Towards Robust People Counting*, IEEE International Conference on Image Processing, Atlanta, GA, USA, 2006
40. U. Naci, **A. Hanjalic**: *Low Level Analysis of Video using Spatiotemporal Pixel Blocks*, International Workshop on Multimedia Content Representation, Classification and Security, Istanbul, Turkey, 2006
41. L. Lu, **A. Hanjalic**: *Towards Optimal Audio "Keywords" for Audio Content Analysis and Discovery*, ACM Multimedia conference, Santa Barbara, CA, USA, 2006
42. B. Kroon, J. Nesvadba, **A. Hanjalic**: *Dialog Detection in Narrative Video by Shot and Face Analysis*, IS&T/SPIE Multimedia Content Access: Algorithms and Systems conference, San Jose CA, January, 2007
43. R.J.M. den Hollander, **A. Hanjalic**: *A Combined RANSAC-Hough Transform Algorithm for Fundamental Matrix Estimation*, 18th British Machine Vision Conference, University of Warwick, UK, September, 2007
44. B. Kroon, S. Boughorbel, **A. Hanjalic**: *Person-based search in videos*, Proceedings of the 15th international conference on Multimedia, ACM Press, 2007 (demo paper)
45. B. Kroon, **A. Hanjalic**, and S. Boughorbel: *Comparison of face matching techniques under pose variation*, Proceedings of the 6th ACM international conference on Image and video retrieval, pp. 272-279, 2007
46. H. Celik, **A. Hanjalic**, E.A. Hendriks: *On the Development of an Autonomous and Self-Adaptable Moving Object Detector*, IEEE International Conference on Advanced Video and Signal based Surveillance, 2007
47. U. Naci, **A. Hanjalic**: *An Audio Feature Based System for Concert Video Parsing*, Proceedings of the 13th Conference of the Advanced School of Computing and Imaging (ASCI 2007), pp. 401-404, 2007
48. U. Naci, **A. Hanjalic**: *Intelligent Browsing of Concert Videos*, Proceedings of the 15th ACM Multimedia conference (ACM MM '07), ACM Press, 2007 (demo paper)
49. L. Lu, **A. Hanjalic**: *Unsupervised Anchor Space Generation for Similarity Measurement of General Audio*, IEEE International Conference on Acoustics, Signal and Speech Processing (ICASSP), 2008
50. U. Naci, **A. Hanjalic**: *Content-Based Indexing Of Music Concert Recordings Based On Crossing-Rate Features*, 6th International Workshop on Content-Based Multimedia Indexing (CBMI 2008), London, UK, June 2008
51. H. Celik, A.M. Ortigosa, **A. Hanjalic**, E. Hendriks: *Autonomous and Adaptive Learning of Shadows for Surveillance*, Int. Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS) 2008
52. H. Celik, **A. Hanjalic**, E.A. Hendriks, S. Boughorbel: *Online Training of Object Detectors from Unlabeled Surveillance Video*, IEEE Online Learning for Classification Workshop, CVPR 2008 conference, 2008
53. B. Kroon, S. Maas, **A. Hanjalic**: *Eye Localization for Face Matching: Is it always useful and under what conditions?*, ACM Content-based Image and Video Retrieval conf. (CIVR), Niagara Falls, 2008
54. B. Kroon, S. Boughorbel, **A. Hanjalic**: *Accurate Eye Localization in Low and Standard Definition Content*, FG 2008: 8th IEEE Intl. Conf. on Automatic Face and Gesture Recognition, September 2008.
55. H. Celik, **A. Hanjalic**, E.A. Hendriks: *Towards Unsupervised Learning for Automatic Multi-Class Object Detection in Surveillance Videos*, IEEE ICASSP 2009, **invited paper** to the Special Session on Automated Surveillance
56. S. Rudinac, M.A. Larson, **A. Hanjalic**: *Exploiting Visual Reranking to Improve Pseudo-Relevance Feedback for Spoken-Content-Based Video Retrieval*, Int. Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS) 2009

57. S. Rudinac, M.A. Larson, **A. Hanjalic**: *Semantic-Theme Based Video Retrieval Using Multimodal Pseudo-Relevance Feedback*, Fifteenth annual conference of the Advanced School for Computing and Imaging, Zeewolde, The Netherlands, 2009
58. S. Rudinac, M.A. Larson, **A. Hanjalic**: *Visual Resampling for Pseudo-Relevance Feedback During Speech-Based Video Retrieval*, Information Retrieval 2009 Workshop at LWA 2009, Darmstadt, Germany, 2009
59. Y. Shi, M.A. Larson, **A. Hanjalic**: *Exploiting User Similarity based on Rated-Item Pools for Improved User-based Collaborative Filtering*, ACM Recommender Systems (RecSys) conference, New York, October 2009
60. C.S. Liem, **A. Hanjalic**: *Cover Song Retrieval: A Comparative Study of System Component Choices*, 10th International Society for Music Information Retrieval Conference (ISMIR), Kobe, Japan, October 2009
61. S. Rudinac, M.A. Larson, **A. Hanjalic**: *Exploiting Result Consistency to Select Query Expansions for Spoken Content Retrieval*, 32nd European Conference on Information Retrieval (ECIR 2010), Milton Keynes, UK, March 2010
62. L. Yang, B. Geng, X.-S. Hua, **A. Hanjalic**: *Contextual Image Retrieval Model*, ACM Conference on Image and Video Retrieval (CIVR), Xian, China, July 2010
63. S. Rudinac, M. Larson, **A. Hanjalic**: *Visual Concept-based Selection of Query Expansions for Spoken Content Retrieval*, ACM SIGIR conference, Geneva, Switzerland, July 2010
64. S. Rudinac, M. Larson, **A. Hanjalic**: *Exploiting Noisy Visual Concept Detection to Improve Spoken Content based Video Retrieval*, ACM Multimedia conference, Florence, Italy, October 2010
65. L. Yang, **A. Hanjalic**: *Supervised Reranking for Web Image Search*, ACM Multimedia conference, Florence, Italy, October 2010
66. Y. Shi, M. Larson, **A. Hanjalic**: *List-wise Learning to Rank with Matrix Factorization for Collaborative Filtering*, ACM Conference on Recommender Systems (RecSys), 2010.
67. Y. Shi, M. Larson, **A. Hanjalic**: *Mining Mood-specific Movie Similarity with Matrix Factorization for Context-aware Recommendation*, ACM RecSys '10 Challenge on Context-aware Movie Recommendation, 2010 (**Overall Winner Award**)
68. Y. Shi, M. Larson, **A. Hanjalic**: *Towards Understanding the Challenges Facing Effective Trust-Aware Recommendation*, ACM RecSys '10 Workshop on Recommender Systems and the Social Web, 2010.
69. Y. Shi, M. Larson, **A. Hanjalic**: *Connecting with the Collective: Self-contained Reranking for Collaborative Recommendation*, ACM Int. Workshop on Connected Multimedia, 2010.
70. C. Kofler, M. Larson, **A. Hanjalic**: *To Seek, Perchance to Fail: Expressions of User Needs in Internet Video Search*, 33rd European Conference on Information Retrieval (ECIR), 2011 (**Best Paper Award candidate**)
71. Y. Shi, M. Larson, **A. Hanjalic**: *Reranking Collaborative Filtering with Multiple Self-contained Modalities*, 33rd European Conference on Information Retrieval (ECIR), 2011 (**Best Poster Award candidate**)
72. Y. Shi, M. Larson, **A. Hanjalic**: *How Far are we in Trust-Aware Recommendation?*, 33rd European Conference on Information Retrieval (ECIR), 2011
73. Y. Shi, M. Larson, **A. Hanjalic**: *Tags as Bridges between Domains: Improving Recommendation with Tag-induced Cross-Domain Collaborative Filtering*, International Conference on User Modeling, Adaptation and Personalization (UMAP), 2011
74. Y. Shi, P. Serdyukov, **A. Hanjalic**, M. Larson: *Personalized Landmark Recommendation based on Geotags from Photo Sharing Sites*, Fifth International AAAI Conference on Weblogs and Social Media (ICWSM), 2011
75. C. Liem, **A. Hanjalic**, C.S. Sapp: *Expressivity in Musical Timing in Relation to Musical Structure and Interpretation: A Cross-Performance, Audio-based Approach*, 42nd AES International Conference, 2011
76. C.C.S. Liem, **A. Hanjalic**: *Expressive Timing from Cross-Performance and Audio-based Alignment Patterns: An Extended Case Study*, 12th International Society for Music Information Retrieval Conference (ISMIR), Miami, USA, October 2011
77. S. Rudinac, M. Larson, **A. Hanjalic**: *Finding Representative and Diverse Community Contributed Images to Create Visual Summaries of Geographic Areas*, ACM Multimedia conference, Scottsdale, US, November 2011
78. C. Kofler, M. Larson, **A. Hanjalic**: *Reading Between the Tags to Predict Size-Class for Visually Depicted Objects in Images*, ACM Multimedia conference, Scottsdale, US, November 2011
79. L. Yang, **A. Hanjalic**: *Searching for Images by Video*, ACM Multimedia conference, Scottsdale, US, November 2011
80. L. Yang, **A. Hanjalic**: *Prototype-based Image Search Reranking*, ACM Multimedia conference, Scottsdale, US, November 2011
81. C.C.S. Liem, M. Muller, D. Eck, G. Tzanetakis, **A. Hanjalic**: *The Need for Music Information Retrieval with User-Centered and Multimodal Strategies*, ACM Workshop on Music Information Retrieval with User-Centered and Multimodal Strategies (MIRUM), in conjunction with ACM Multimedia conference, Scottsdale, US, November 2011
82. Y. Shi, A. Karatzoglou, L. Baltrunas, M. Larson, **A. Hanjalic**, N. Oliver: *TFMAP: Optimizing MAP for Top-N Context-aware Recommendation*, ACM SIGIR conference, Portland, USA, August 2012
83. Y. Shi, J. Wang, M. Larson, **A. Hanjalic**: *Adaptive Diversification of Recommendation Results via Latent Factor Portfolio*, ACM SIGIR 2012, Portland, USA, August 2012

84. Y. Shi, A. Karatzoglou, L. Baltrunas, M. Larson, N. Oliver, **A. Hanjalic**: *CLiMF: Learning to Maximize Reciprocal Rank with Collaborative Less-is-More Filtering*, ACM RecSys conference, Dublin, Ireland, September 2012 (**Best Paper Award**)
85. C. Kofler, L. Yang, M. Larson, T. Mei, **A. Hanjalic**, S. Li: *When Video Search Goes Wrong: Predicting Query Failure Using Search Engine Logs and Visual Search Results*, ACM Multimedia conf., Nara, Japan, October 2012
86. **A. Hanjalic**, C. Kofler, M. Larson: *Intent and its Discontents: The User at the Wheel of the Online Video Search Engine*, ACM Multimedia conference, Nara, Japan, October 2012
87. R. Vliegendorhart, M.A. Larson, **A. Hanjalic**: *LikeLines: Collecting Timecode-level Feedback for Web Videos Through User Interactions*, ACM Multimedia conference, Nara, Japan, October 2012
88. X. Li, M. Larson, **A. Hanjalic**: *Geo-visual Ranking for Location Prediction of Social Images*, ACM ICMR 2013, Dallas, USA, April 2013
89. C.C.S. Liem, R. van der Sterren, M. van Tilburg, Á. Sarasúa, J.J. Bosch, J. Janer, M. Melenhorst, E. Gómez, A. Hanjalic: *Innovating the Classical Music Experience in the PHENICX Project: Use Cases and Initial User Feedback*, 1st International Workshop on Interactive Content Consumption (WSICC) at EuroTV, Como, Italy, June 2013
90. C.C.S. Liem, A. Bazzica, **A. Hanjalic**: *Looking Beyond Sound: Unsupervised Analysis of Musician Videos*, WIAMIS, Paris, France, July 2013
91. Y. Shi, A. Karatzoglou, L. Baltrunas, M.A. Larson, **A. Hanjalic**: *GAPfm: Optimal top-n recommendations for graded relevance domains*, ACM conference on Information and Knowledge Management (CIKM), San Francisco, USA, October 2013
92. Y. Shi, A. Karatzoglou, L. Baltrunas, M. Larson, N. Oliver, **A. Hanjalic**: *xCLiMF: Optimizing Expected Reciprocal Rank for Data with Multiple Levels of Relevance*, ACM RecSys conference, Hong Kong, October 2013
93. R. Vliegendorhart, B. Loni, M.A. Larson, **A. Hanjalic**: *How do we deep-link?: leveraging user-contributed time-links for non-linear video access*, ACM Multimedia conference, Barcelona, Spain, October 2013
94. B. Loni, Y. Shi, M.A. Larson, **A. Hanjalic**: *Cross-Domain Collaborative Filtering with Factorization Machines*, 36th European Conference on Information Retrieval (ECIR), Amsterdam, The Netherlands, April 2014
95. E. Siahaan, J.A. Redi, **A. Hanjalic**: *Beauty is in the scale of the beholder: a comparison of methodologies for the subjective assessment of image aesthetic appeal*, 6th International Workshop on Quality of Multimedia Experience (QoMEX), Singapore, September 2014
96. B. Loni, A. Said, M.A. Larson, **A. Hanjalic**: *'Free lunch' enhancement for collaborative filtering with factorization machines*, ACM RecSys conference, Foster City, Silicon Valley, USA, 6th-10th October 2014
97. Y. Shi, A. Karatzoglou, L. Baltrunas, M. Larson, **A. Hanjalic**: *CARS2: Learning Context-aware Representations for Context-aware Recommendations*, ACM International Conference on Information and Knowledge Management (CIKM), 2014, Fudan, China, November 2014
98. K. Yadati, M.A. Larson, C.C.S. Liem, **A. Hanjalic**: *Detecting Drops in Electronic Dance Music: Content-Based Approaches to a Socially Significant Music Event*, 15th International Society for Music Information Retrieval Conference (ISMIR), Taipei, Taiwan, November 2014
99. A. Bazzica, C.C.S. Liem, **A. Hanjalic**: *Exploiting Instrument-wise Playing/Non-Playing Labels for Score Synchronization of Symphonic Music*, 15th International Society for Music Information Retrieval Conference (ISMIR), Taipei, Taiwan, November 2014
100. Y. Zhu, I. Heynderickx, **A. Hanjalic**, J. A. Redi: *Towards a comprehensive model for predicting the quality of individual visual experience*, IS&T/SPIE Human Vision and Electronic Imaging XX, San Francisco, CA, February 2015
101. X. Li, M.A. Larson, **A. Hanjalic**: *Pairwise Geometric Matching for Large-Scale Object Retrieval*, 28th IEEE Conference on Computer Vision and Pattern Recognition (CVPR), June 2015
102. B. Loni, M.A. Larson, A. Karatzoglou, **A. Hanjalic**: *Recommendation with the Right Slice: Speeding Up Collaborative Filtering with Factorization Machines*, ACM RecSys conference, Vienna, Austria, September 2015
103. C.C.S. Liem, **A. Hanjalic**: *Comparative Analysis of Orchestral Performance Recordings: An Image-Based Approach*, 16th International Society for Music Information Retrieval Conference (ISMIR), Málaga, Spain, October 2015
104. E. Siahaan, J.A. Redi, **A. Hanjalic**: *Does visual quality depend on semantics? A study on the relationship between impairment annoyance and image semantics at early attentive stages*, IS&T Electronic Imaging 2016: Human Vision and Electronic Imaging (HVEI), San Francisco, CA, USA, February 2016
105. X. Li, P. Xu, Y. Shi, M. Larson, **A. Hanjalic**: *Simple tag-based subclass representations for visually-varied image classes*, International Workshop on Content-based Multimedia Indexing (CBMI) 2016, Bucharest, Romania, June 2016
106. B. Loni, R. Pagano, M.A. Larson, **A. Hanjalic**: *Bayesian Personalized Ranking with Multi-Channel User Feedback*, ACM RecSys conference, Boston, USA, September 2016
107. Y. Zhu, **A. Hanjalic**, J. A. Redi: *QoE Prediction for Enriched Assessment of Individual Video Viewing Experience*, ACM Multimedia conference, Amsterdam, The Netherlands, October 2016
108. E. Siahaan, **A. Hanjalic**, J.A. Redi: *Augmenting Blind Image Quality Assessment using Image Semantics*, IEEE International Symposium on Multimedia, San Jose, CA, USA, December 2016 (**invited paper**)