



GIUSEPPE SERRA

I am an **Associate Professor** at the **University of Udine** (Italy), since Novembre 2019. I received my **Ph.D. in Computer Engineering, Multimedia and Telecommunications** in 2010 at the **University of Florence**, Italy. From 2014 to 2016 I was a senior postdoctoral researcher at the University of Modena and Reggio Emilia, Italy. I was a visiting researcher at [Carnegie Mellon University](#), Pittsburgh, USA, and at [Telecom ParisTech/ENST](#), Paris, in 2006 and 2010 respectively. **My research interests include Machine Learning, Image and Video analysis, Wearable Computing, Natural Language Processing. I am teaching the Machine Learning and Deep Learning courses at the University of Udine.**

I have published more than 50 publications in the most prestigious journals and conferences in Multimedia. I received the best paper award by the IEEE International Conference on Intelligent Technologies for Interactive Entertainment in 2015 with the paper "Wearable Vision for Retrieving Architectural Details in Augmented Tourist Experiences". I was the lead organizer of the "International Workshop on Egocentric Perception, Interaction and Computing (EPIC)" in 2016 and 2017 (ECCV'16 - ICCV'17) and I gave tutorials at two international conferences (ICPR'12, CAIP'13). I also serve as a Guest Editor of the Special Issue on "Wearable and Ego-vision Systems for Augmented Experience" on IEEE Transactions on Human-Machine Systems. I was a Technical Program Committee member of several conferences and workshops. I regularly serve as reviewer for international conferences and journals such as ACM Multimedia, IEEE Transactions on Multimedia, IEEE Transactions on Information Forensics and Security and Pattern Recognition, ECCV, CVPR.

Distinctions

- 2021 - Best Short paper award, "Improving Adverse Drug Event Extraction with SpanBERT on Different Text Typologies", Proc. the International Workshop on Health Intelligence (W3PHIAI) at AAAI.
- 2021 – Top 25 cited paper at IEEE Transactions on Image Processing: "Predicting Human Eye Fixations via an LSTM-Based Saliency Attentive Model"
- 2017 - Best Performer of LSUN 2017 Saliency Prediction Challenge, held every year in conjunction with the IEEE Conference on Computer Vision and Pattern Recognition (CVPR).
- 2015 - Best Paper Award - \Wearable Vision for Retrieving Architectural Details in Augmented Tourist

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- Experiences", IEEE International Conference on Intelligent Technologies for Interactive Entertainment (INTETAIN), Torino, 2015.
 - 2013 - Best Performer of the international IMAGECLEF competition on the image retrieval task. About 40 research groups have been registered and 13 of these submitted their results.
 - 2010 - Best Paper Award - "Tag suggestion and localization in user-generated videos based on social knowledge," ACM International Workshop on Social Media (WSM) – ACM Multimedia, 2010.

Professional Services

Associate and Guest Editor

- **Editorial Board Member**, IEEE Transactions on Human-Machine Systems (IEEE THMS), from 12/02/2017 to now
- **Editorial Board Member**, ACM Transactions on Multimedia Computing, Communications, and Applications (TOMM), from 12/02/2017 to now
- **Lead Guest Editor**: Special Issue on "Wearable and Ego-vision Systems for Augmented Experience" on IEEE Transactions on Human-Machine Systems. 2015-2016
- **Lead Guest Editor**: Special Issue on "Multimedia for Cultural Heritage" on Multimedia Tools and Applications an International Journal, 2015-2016

Program Chair:

- 17° Italian Research Conference on Digital Libraries (IRCDL), 18-19/02/2021, Udine, Italia.
- 14° Italian Research Conference on Digital Libraries (IRCDL), 25-26/01/2018, Udine, Italia.

Workshop Chair:

- Video and Image Question Answering: building a bridge between visual content analysis and reasoning on textual data, in conjunction with 'IEEE International Conference on Pattern Recognition (ICPR), 10/01/2021, Milan, Italia.
- IEEE International Workshop on Egocentric, Perception, Interaction and Computing (EPIC), in conjunction with IEEE International Conference on Computer Vision (ECCV), 09/09/2018, Monaco, Germania.
- IEEE International Workshop on Egocentric, Perception, Interaction and Computing (EPIC), in conjunction with IEEE International Conference on Computer Vision (ICCV), 29/10/2017, Venezia, Italia.
- IEEE International Workshop on Egocentric, Perception, Interaction and Computing (EPIC), in conjunction with IEEE European Conference on Computer Vision (ECCV), 8/10/2016, Amsterdam, Netherlands.
- IEEE International Workshop on Wearable and Ego-vision Systems for Augmented Experience, in conjunction with IEEE International Conference on Multimedia and Expo (ICME), 3/07/2015, Torino,

Italia.

- IEEE International Workshop on Multimedia for Cultural Heritage, in conjunction with International Conference on Image Analysis and Processing (ICIAP), 9/09/2013, Napoli, Italia.

Tutorials:

- "The Bag of Visual Words model and recent advancements in image classification", in conjunction with International Conference on Computer Analysis of Images and Patterns, 1/09/2015, Valletta, Malta.
- "Recent advancements on the Bag of Visual Words model for image classification and concept detection", in conjunction with International Conference on Pattern Recognition (ICPR), 24/8/2014, Stoccolma, Svezia.

Area e Session Chair

- Area Chair (Document and Media Analysis): 25th International Conference on Pattern Recognition (ICPR), 10-15/01/2021.
- Session Chair: International Conference on Natural Language Processing (ICNLP 2021), 26-28/3/2021, Beijing, Cina.
- Session Chair: Italian Research Conference on Digital Libraries (IRCDL), 30-31/01/ 2020, Bari, Italia.
- Session Chair: International Conference on Similarity Search and Applications (SISAP), 2-4/10/2013, La Coruña, Spagna.

Program Committee member (Selection):

- Senior Program Committee Member: International Joint Conference on Artificial Intelligence (IJCAI), 2018, 2019.
- Program Committee Member: International Conference on Learning Representations (ICLR), 2021
- Program Committee Member: Neural Information Processing Systems (NIPS), 2020
- Program Committee Member: International Joint Conference on Natural Language Processing (IJCNLP), 2020
- Program Committee Member: Asia-Pacific Chapter of the Association for Computational Linguistics (AAACL), 2020
- Program Committee Member: International Conference on Natural Language Processing (ICNLP), 2019, 2020
- Program Committee Member: International Conference on Natural Language Processing (ICNLP), 25-27/01/2019
- Program Committee Member: AAI Conference on Artificial Intelligence (AAAI), 27/01/2017-01/02/2019 Honolulu, Hawaii, USA
- Program Committee Member: International Conference on Pervasive Patterns and Applications

(PATTERNS), 18-22/02/2018.

- Program Committee Member: International Conference on Advances in Signal, Image and Video Processing (SIGNAL), 20-24/05/2018.
- Program Committee Member: IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 21-27/06/2017 Honolulu, Hawaii, USA
- Program Committee Member: IEEE International Conference on Computer Vision (ICCV), 24-27/10/2017, Venezia, Italy
- Program Committee Member: IEEE International Conference on Multimedia & Expo (ICME), 10-14/07/2017 HONG KONG, Cina
- Program Committee Member: IEEE Winter Conference on Applications of Computer Vision (WACV), 27-29/03/2017, Santa Rosa, CA, USA
- Program Committee Member: IEEE European Conference on Computer Vision (ECCV), 11-14/10/2016, Amsterdam, The Netherlands
- Program Committee Member: IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 26/06/2016 - 01/07/2016 Las Vegas, USA
- Program Committee Member: IEEE International Conference on Multimedia & Expo (ICME), 11-15/07/2016 Seattle, USA
- Program Committee Member: IEEE Winter Conference on Applications of Computer Vision (WACV), 7-9/03/2016, Lake Placid, USA
- Program Committee Member: International Workshop on Pattern Recognition (IWPR), 11-13/05/2016, Tokyo, Japan
- Program Committee Member: International Conference on Digital Image Computing: Techniques and Applications (DICTA), 30/11/2016-02/12/2016, Gold Coast, Australia
- Program Committee Member: International Workshop on Content-Based Multimedia Indexing (CBMI), 15-17/6/2016, Bucharest, Romania
- Program Committee Member: International Conference on Digital Image Computing: Techniques and Applications (DICTA), 23-25/11/2015, Adelaide, Australia
- Program Committee Member: International Conference on Intelligent Technologies for Interactive Entertainment (INTETAIN), 10-12/06/2015, Turin, Italy
- Program Committee Member: Int'l Conference on Computer Analysis of Images and Patterns (CAIP), 2-4/09/2015, Valletta, Malta
- Program Committee Member: IEEE Int'l Conference on Multimedia and Expo (ICME), 29/6/2015-3/7/2015, Turin, Italy
- Program Committee Member: International Workshop on Content-Based Multimedia Indexing (CBMI), 10-12/6/2015, Prague, Czech Republic
- Program Committee Member: Int'l Conference on Advances in Computers, Communication, and Electronic Engineering (COMMUNE), 16-18/03/2015, Srinagar, India

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- Program Committee Member: IEEE International Conference on Industrial Instrumentation and Control, 28-30 May, 2015, Maharashtra, India
 - Program Committee Member: The ChaLearn Looking at People Workshop, 12/06/2015, in conjunction with CVPR 2015, Boston, USA.
 - Program Committee Member: IEEE International Conference on Multimedia & Expo (ICME), 14-18 Luglio 2014, Chengdu, China
 - Program Committee Member: International Conference on Digital Image Computing: Techniques and Applications (DICTA 2014), 25-27 Novembre 2014, Wollongong, New South Wales, Australia
 - Program Committee Member: International Conference on Informatics, Electronics & Vision (ICIEV), 23-24 Maggio, 2014, Dhaka, Bangladesh
 - Program Committee Member: The International Conference on Similarity Search and Applications (SISAP), 2-4 Ottobre 2013, La Corugna, Spagna
 - Program Committee Member: ACM International Workshop on Interactive Multimedia on Mobile and
 - Program Committee Member: Italian Research Conference on Digital Libraries (IRCDL), 9-10 Febbraio 2012, Bari, Italia.
 - Program Committee Member: IEEE Workshop on Analysis and Retrieval of Tracked Events and Motion in Imagery Streams (ARTEMIS), 2 Novembre 2011, Barcelona, Spagna;

Journal reviewer (selection):

- IEEE Transactions on Multimedia (from 2009)
- IEEE Transactions on Image Processing (from 2015)
- IEEE Transactions on Information Forensics and Security (TIFS), (from 2013)
- IEEE Transactions on Circuits and Systems for Video Technology (from 2009)
- Computer Vision and Image Understanding (from 2007)
- Pattern Recognition (from 2008)
- Pattern Recognition Letters (from 2007)
- IEEE Multimedia (from 2007)
- IEEE Internet of Things Journal(from 2015)
- Int'l Journal of Multimedia Information Retrieval (MMIR) (from 2014)
- ACM Transactions on Multimedia Computing, Communications, and Applications (TOMM) (form 2007)
- Signal Processing: Image Communication - Elsevier (from 2010)
- Eurasip Journal on Image and Video Processing (from 2008)
- Pattern Analysis and Applications (from 2006)
- Multimedia Tools and Applications (from 2006)

Project reviewer

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- European research Council (ERC) - Starting Grant proposals 2020 – research topic: Deep Learning e Computer Vision - 2020
 - Dutch Research Council, Domain Science (ENW) – research topic: Deep Learning - 2020

International Collaboration

Ecole Nationale Supérieure des Télécommunication (ENST) – contact: Dr. Hichem Sahbi. Joint Publications:

- H. Sahbi, L. Ballan, G. Serra, and A. Del Bimbo, "Context-Dependent Logo Matching and Recognition," IEEE Transactions on Image Processing, vol. 22, iss. 3, pp. 1018-1031, 2013. [DOI: 10.1109/TIP.2012.2226046] [Imp Factor: 3.199]
- H. Sahbi, L. Ballan, G. Serra, and A. Del Bimbo, "Context-Dependent Logo Matching and Retrieval," TELECOM ParisTech, Paris, France, 2010D009, 2010.

ETH Zürich - contact: Prof. Luca Benini

Joint Publications:

- L. Baraldi, F. Paci, G. Serra, L. Benini, R. Cucchiara, "Gesture Recognition using Wearable Vision Sensors to Enhance Visitors' Museum Experiences", IEEE Sensors, vol. 15, iss. 5, pp. 2705-2714, 2015. [DOI: <http://dx.doi.org/10.1109/JSEN.2015.2411994>] [Imp Factor: 1.852]
- L. Baraldi, F. Paci, G. Serra, L. Benini, R. Cucchiara. "Gesture Recognition in Ego-Centric Videos using Dense Trajectories and Hand Segmentation". In: Proc. of IEEE Embedded Vision Workshop (EVW). Columbus, Ohio; 2014. [DOI: <http://dx.doi.org/10.1109/CVPRW.2014.107>] [ISBN: 978-147994309-8;978-147994309-8]

Massachusetts Institute of Technology (NLP Group) – Contact: Prof. Regina Barzilay.

Joint publication:

- B. Portelli, J. Zhao, T. Schuster, G. Serra, E. Santus, "Distilling the evidence to augment fact verification models", the Third Workshop on Fact Extraction and VERification (FEVER), 2020.

The University of Queensland – Contact: Prof. Gianluca Demartini and **RMIT University Melbourne** –

Contact: Prof. Damiano Spina.

Joint publications:

- K. Roitero, M. Soprano, B. Portelli, D. Spina, V. Della Mea, G. Serra, S. Mizzaro, G. Demartini, "The COVID-19 Infodemic: Can the Crowd Judge Recent Misinformation Objectively?", 29th ACM International Conference on Information & Knowledge Management, 2020

The Hong Kong Polytechnic University – Contact: Dr. Emmanuele Chersoni

Joint publications:

- Portelli, E. Lenzi, E. Chersoni, G. Serra, E. Santus, "BERT Prescriptions to Avoid Unwanted Headaches: A Comparison of Transformer Architectures for Adverse Drug Event Detection", Proc. of the Conference of the European Chapter of the Association for Computational Linguistics, 2021.
- B. Portelli, D. Passabì, E. Lenzi, G. Serra, E. Santus, E. Chersoni, "Improving Adverse Drug Event Extraction with SpanBERT on Different Text Typologies", Proc. the International Workshop on Health Intelligence (W3PHIAI) at AAAI, 2021 - **Best Short paper award**

Publications

Please check Google Scholar profile and ORCID website for more details

- <https://scholar.google.it/citations?user=xz1J-xQAAAAJ&hl=it>
- <https://orcid.org/0000-0002-4269-4501>

Journal papers

24. S.S. Mohamed Mahmoud, G. Esposito, G. Serra, F. Fogolari, "Generalized Born radii computation using linear models and neural networks", *Bioinformatics* 36(6), pp. 1757-1764, 2020. [Imp Factor: 5.610]
[DOI: <http://dx.doi.org/10.1093/bioinformatics/btz818>]
23. K. Roitero, A. Brunello, G. Serra, S. Mizzaro, "Effectiveness evaluation without human relevance judgments: A systematic analysis of existing methods and of their combinations", *Information Processing and Management* 57(2), 102-149, 2020. [Imp Factor: 4.787]
[DOI: <http://dx.doi.org/10.1016/j.ipm.2019.102149>]
22. M. Cornia, L. Baraldi, G. Serra, R. Cucchiara, "Predicting human eye fixations via an lstm-based saliency attentive model", *IEEE Transactions on Image Processing*, vol. 27 iss. 10, pp. 5142-5154, 2018. [Imp Factor: 5.071]
[DOI: <http://dx.doi.org/10.1109/TIP.2018.2851672>]
21. K. Roitero, M. Passon, G. Serra, S. Mizzaro, "Reproduce. Generalize. Extend. On Information Retrieval Evaluation without Relevance Judgments", *Journal of Data and Information Quality*, vol. 10 iss. 3, 2018. [Imp Factor: 0.417]
[DOI: <http://dx.doi.org/10.1145/3241064>]
20. M. Cornia, L. Baraldi, G. Serra, R. Cucchiara, "Paying more attention to saliency: Image captioning with saliency and context attention", *ACM Transactions on Multimedia Computing, Communications and Applications*, vol. 14 iss. 12, 2018. [Imp Factor: 2.251]
[DOI: <http://dx.doi.org/10.1145/3177745>]

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19. P. Varini, G. Serra, R. Cucchiara, "Personalized egocentric video summarization of cultural tour on user preferences input", *IEEE Transactions on Multimedia*, vol. 19 iss. 12, pp. 2832-2845, 2017, [Imp Factor: 3.977]
[DOI: <http://dx.doi.org/10.1109/TMM.2017.2705915>]
 18. S. Alletto, G. Serra, R. Cucchiara, "Video Registration in Egocentric Vision under Day and Nigh Illumination Changes", *Computer Vision and Image Understanding*, vol. 157, pp. 274-283, 2017, [Imp Factor: 2.391]
[DOI: <http://dx.doi.org/10.1016/j.cviu.2016.09.010>]
 17. S. Alletto, R. Cucchiara, G. Fiore, L. Mainetti, V. Mighali, L. Patrono, G. Serra "An Indoor Location-aware System for an IoT-based Smart Museum", *IEEE Internet of Things Journal*, vol. 3 iss. 2, pp. 244-253, 2016.
[DOI: <http://dx.doi.org/10.1109/JIOT.2015.2506258>]
 16. S. Alletto, D. Abati, G. Serra, R. Cucchiara "Exploring Architectural Details Through a Wearable Egocentric Vision Device". *Sensors*. vol. 16, iss. 2, pp. 237-252, 2016 (Invited Paper as the preliminary work published in the INTETAIN 2015 proceeding received the Best Paper award) [Imp Factor: 2.245]
[DOI: <http://dx.doi.org/10.3390/s16020237>]
 15. C. Grana, G. Serra, M. Manfredi, D Coppi, R Cucchiara. "Layout analysis and content enrichment of digitized books", *Multimedia Tools and Applications*. vol 75 issue 7, pp. 3879-3900, 2016. [Imp Factor: 1.058]
[DOI: <http://dx.doi.org/10.1007/s11042-014-2360-0>]
 14. S. Alletto, G. Serra, S. Calderara, R. Cucchiara, "Understanding Social Relationships in Egocentric Vision", *Pattern Recognition*, vol. 48, iss. 12, pp. 4082-4096, 2015. [Imp Factor: 3.096]
[DOI: <http://dx.doi.org/10.1016/j.patcog.2015.06.006>]
 13. G. Serra, C. Grana, M. Manfredi, R. Cucchiara, "GOLD: Gaussians of Local Descriptors for Image Representation", *Computer Vision and Image Understanding*, vol. 134, pp.22-32, 2015. [Imp Factor: 1.540]
[DOI: <http://dx.doi.org/10.1016/j.cviu.2015.01.005>]
 12. L. Ballan, M. Bertini, G. Serra, A. Del Bimbo, "A Data-Driven Approach for Tag Refinement and Localization in Web Videos", *Computer Vision and Image Understanding*, vol. 140, pp. 58-67, 2015. [Imp Factor: 1.540]
[DOI: <http://dx.doi.org/10.1016/j.cviu.2015.05.009>]
 11. L. Baraldi, F. Paci, G. Serra, L. Benini, R. Cucchiara, "Gesture Recognition using Wearable Vision Sensors to Enhance Visitors' Museum Experiences", *IEEE Sensors*, vol. 15, iss. 5, pp. 2705-2714, 2015.
[Imp Factor: 1.852]
[DOI: <http://dx.doi.org/10.1109/JSEN.2015.2411994>]
 10. L. Seidenari, G. Serra, A. Bagdanov, A. Del Bimbo, "Local Pyramidal Descriptors for Image Recognition", *IEEE Transactions on Pattern Analysis and Machine Intelligence*, vol. 36, iss. 5, pp. 1033-1040, 2014.
[Imp Fact: 4.795]
[DOI: <http://dx.doi.org/10.1109/tpami.2013.232>]
 9. H. Sahbi, L. Ballan, G. Serra, and A. Del Bimbo, "Context-Dependent Logo Matching and Recognition", *IEEE Transactions on Image Processing*, vol. 22, iss. 3, pp. 1018-1031, 2013. [Imp Factor: 3.199]
[DOI: <http://dx.doi.org/10.1109/TIP.2012.2226046>]

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8. I. Amerini, L. Ballan, R. Caldelli, A. Del Bimbo, L. Del Tongo, and G. Serra, "Copy-Move Forgery Detection and Localization by Means of Robust Clustering with J-Linkage", *Signal Processing: Image Communication*, vol. 28, iss. 6, pp. 659-669, 2013. [Imp Factor: 1.286]
[DOI: <http://dx.doi.org/10.1016/j.image.2013.03.006>]
 7. L. Ballan, M. Bertini, A. Del Bimbo, L. Seidenari, and G. Serra, "Effective Codebooks for Human Action Representation and Classification in Unconstrained Videos", *IEEE Transactions on Multimedia*, vol. 14, iss. 4, pp. 1234-1245, 2012. [Imp Fact: 1.754]
[DOI: <http://dx.doi.org/10.1109/TMM.2012.2191268>]
 6. I. Amerini, L. Ballan, R. Caldelli, A. Del Bimbo, and G. Serra, "A SIFT-based forensic method for copy-move attack detection and transformation recovery", *IEEE Transactions on Information Forensics and Security*, vol. 6, iss. 3, pp. 1099-1110, 2011. [Imp Fact: 1.340]
[DOI: <http://dx.doi.org/10.1109/TIFS.2011.2129512>]
 5. L. Ballan, M. Bertini, A. Del Bimbo, L. Seidenari, and G. Serra, "Event Detection and Recognition for Semantic Annotation of Video", *Multimedia Tools and Applications*, vol. 51, iss. 1, pp. 279-302, 2011. (S.I. Surveys in Multimedia by World Experts) [Imp Fact: 0.671]
[DOI: <http://dx.doi.org/10.1007/s11042-010-0643-7>]
 4. L. Ballan, M. Bertini, A. Del Bimbo, and G. Serra, "Video Annotation and Retrieval using Ontologies and Rule Learning", *IEEE MultiMedia*, vol. 17, iss. 4, pp. 80-88, 2010. [Imp Fact: 1.066]
[DOI: <http://dx.doi.org/10.1109/MMUL.2010.4>]
 3. L. Ballan, M. Bertini, A. Del Bimbo, and G. Serra, "Video Event Classification using String Kernels", *Multimedia Tools and Applications*, vol. 48, iss. 1, pp. 69-87, 2010. (Special Issue on Content Based Multimedia Indexing) [Imp Fact: 0.914]
[DOI: <http://dx.doi.org/10.1007/s11042-009-0351-3>]
 2. L. Ballan, M. Bertini, A. Del Bimbo, and G. Serra, "Semantic Annotation of Soccer Videos by Visual Instance Clustering and Spatial/Temporal Reasoning in Ontologies", *Multimedia Tools and Applications*, vol. 48, iss. 2, pp. 313-337, 2010. [Imp Fact: 0.885]
[DOI: <http://dx.doi.org/10.1007/s11042-009-0342-4>]
 1. M. Bertini, A. D. Bimbo, G. Serra, C. Torniai, R. Cucchiara, C. Grana, and R. Vezzani, "Dynamic Pictorially Enriched Ontologies for Digital Video Libraries", *IEEE Multimedia*, vol. 16, iss. 2, pp. 42-51, 2009. [Impact Fact: 1.661]
[DOI: <http://dx.doi.org/10.1109/MMUL.2009.25>].

Editorial and Book Chapters

7. S. Ferilli, P. Manghi, A. Poggi, G. Serra, G. Silvello, "17th Italian research conference on digital libraries: Information and research science connecting to digital and library science", *CEUR Workshop Proceedings* 2816.[Editorialship] [ISSN: 16130073]
6. S. Alletto, M. Cornia, L. Baraldi, G. Serra, R. Cucchiara, "Recognizing social relationships from an egocentric vision perspective", X. Alameda-Pineda, E. Ricci, N. Sebe, *ScienceDirect*, 2019, vol. *Multimodal Behavior*

Analysis in the Wild Advances and Challenges. [Book Chapter]

[DOI: <https://doi.org/10.1016/B978-0-12-814601-9.00015-8>]

5. G. Serra, C. Tasso, "Digital Libraries and Multimedia Archives - 14th Italian Research Conference on Digital Libraries, IRCDL 2018", Udine, Italy, January 25-26, 2018, Proc. Communications in Computer and Information Science 806, Springer 2018. [Editorialship]
[DOI: <http://dx.doi.org/10.1007/978-3-319-73165-0>]
4. G. Serra, R. Cucchiara, K.M. Kitani, J. Civera, "Guest Editorial Special Issue on Wearable and Ego-Vision Systems for Augmented Experience", IEEE Transactions on Human-Machine Systems 47 (1), 1-5, 2017. [Guest Editorial] [Imp Fact: 2.563]
[DOI: <http://dx.doi.org/10.1007/s11042-016-3379-1>]
3. C. Grana, G. Serra, "Guest Editorial Special Issue on Multimedia for Cultural Heritage", Multimedia Tools and Applications, vol. 75, iss. 7, pp. 3561-3563, 2016. [Guest Editorial] [Imp Fact: 1.346]
[DOI: <http://dx.doi.org/10.1007/s11042-016-3379-1>]
2. L. Ballan, L. Seidenari, G. Serra, M. Bertini, and A. Del Bimbo, "Recognizing Human Actions by using Effective Codebooks and Tracking", Cipolla, R., Battiato, S., and Farinella, G. M., Eds., Springer, 2013, vol. Advanced Topics in Computer Vision. [Book Chapter]
[DOI: http://dx.doi.org/10.1007/978-1-4471-5520-1_3]
1. L. Ballan, M. Bertini, A. Del Bimbo, W. Nunziati, and G. Serra, "Commercials and Trademarks Recognition", Kompatsiaris, Y., Merialdo, B., and Lian, S., Eds., CRC Press, Taylor & Francis Group, 2012, vol. TV Content Analysis: Techniques and Applications. [ISBN 9781439855607] [Book Chapter]

Conference Papers

62. B. Portelli, E. Lenzi, E. Chersoni, G. Serra, E. Santus, "BERT Prescriptions to Avoid Unwanted Headaches: A Comparison of Transformer Architectures for Adverse Drug Event Detection", Proc. of the Conference of the European Chapter of the Association for Computational Linguistics, 2021.
61. B. Portelli, D. Passabi, E. Lenzi, G. Serra, E. Santus, E. Chersoni, "Improving Adverse Drug Event Extraction with SpanBERT on Different Text Typologies", Proc. the International Workshop on Health Intelligence (W3PHIAI) at AAAI, 2021 - **Best Short paper award**
60. G. Lancioni, S.S. Mohamed, S.S., B. Portelli, G. Serra, C. Tasso, "Efficient keyphrase generation with GANs", Proc. of Italian Research Conference on Digital Libraries (IRC DL), 2021. [ISSN: 16130073]
59. K. Roitero, M. Soprano, B. Portelli, D. Spina, V. Della Mea, G. Serra, S. Mizzaro, G. Demartini, "The covid-19 infodemic: Can the crowd judge recent misinformation objectively?", Proc. the ACM International Conference on Information & Knowledge Management, 2020. [ISBN: 978-145036859-9]
[DOI: <https://doi.org/10.1145/3340531.3412048>]
58. A. Falcon, G. D'Agostino, G. Serra, G. Brajnik, C. Tasso, "A neural turing machine-based approach to remaining useful life estimation", Proc. of the Annual Conference of the Prognostics and Health Management Society (PHM), 2020. [ISBN: 978-193626305-9]

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- [DOI: <http://dx.doi.org/10.1109/ICPHM49022.2020.9187043>]
57. A. Falcon, O. Lanz, G. Serra, "Data Augmentation Techniques for the Video Question Answering Task", Proc. of Egocentric Perception, Interaction and Computing (EPIC) Workshop, 2020. [ISBN: 978-303066414-5]
[DOI: http://dx.doi.org/10.1007/978-3-030-66415-2_33]
56. K. Roitero, C. Bozzato, V.D. Mea, S. Mizzaro, G. Serra, "Twitter goes to the doctor: Detecting medical tweets using machine learning and BERT", Proc. of the International Workshop on Semantic Indexing and Information Retrieval for Health from heterogeneous content types and languages (SIIRH), 2020. [ISSN: 16130073]
55. M. Menardi, A. Falcon, S.S. Mohamed, L. Seidenari, G. Serra, A. Del Bimbo, C. Tasso, "Text-to-Image Synthesis Based on Machine Generated Captions", Proc. of Italian Research Conference on Digital Libraries (IRCDL), Pisa, Italy, 2020. [ISBN: 978-303039904-7]
[DOI: https://doi.org/10.1007/978-3-030-39905-4_7]
54. M. Zamprogno, M. Passon, N. Martinel, G. Serra, G. Lancioni, C. Micheloni, C. Tasso, G. Luca Foresti, "Video-Based Convolutional Attention for Person Re-Identification", Proc. of International Conference on Image Analysis and Processing (ICIAP), Trento, Italy, 2019. [ISBN: 978-303030641-0]
[DOI: https://doi.org/10.1007/978-3-030-30642-7_1]
53. M. Passon, M. Comuzzo, G. Serra, C. Tasso, "Keyphrase Extraction via an Attentive Model", Proc. of Italian Research Conference on Digital Libraries (IRCDL), Pisa, Italy, 2019. [ISBN: 978-303011225-7]
[DOI: https://doi.org/10.1007/978-3-030-11226-4_24]
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Udine, 23/12/2021

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