

# Curriculum vitae

## Gianluigi Ciocca (Associate Professor)

### **Office:**

Dipartimento di Informatica Sistemistica e Comunicazione (DISCo)  
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### **Short Biography:**

Gianluigi Ciocca obtained his Msc degree in Computer Science at the University of Milano in 1998. He has been a fellow at the Institute of Multimedia Information Technologies of the Italian National Research Council, where his research has focused on the development of systems for the management of image and video databases and the development of new methodologies and algorithms for automatic indexing. Since 2003 he is at DISCo (Department of Informatics, Systems and Communication) of the University of Milano-Bicocca where he obtained his PhD in Computer Science in 2006. He is currently associate professor in Computer Science at DISCo and his current research fields are image and video analysis, pattern recognition, and classification. He is also a member of NeuroMi: Milan Center for Neuroscience.

### **Citation Scores (June 2019)**

**Google Scholar:** <https://scholar.google.it/citations?hl=it&user=qv6OSE4AAAAJ>

- H-Index : 23
- Total number of citations: 2578

**Scopus:** <https://www.scopus.com/authid/detail.uri?authorId=6603733325>

- H-Index: 19
- Total number of citations: 1329

### **ISI- Web Of Science:**

- H-Index: 14
- Total number of citations: 554

### **Teaching**

- **Databases and Information Systems**– Elementi (CdL Informatica): AA 2003/2004
- **Databases** (CdL Informatica): AA 2004/2005
- **Visual Information Systems** (PhD course): AA 2005/2006
- **Advanced Image Processing** (CdL Informatica): AA 2005/2006, 2006/2007, 2007/2008, 2008/2009, 2009/2010, 2011/2012, 2012/2013
- **Image Processing** (CdL Informatica): AA 2007/2008, 2008/2009
- **Computer Programming 3** - (CdL Informatica): AA 2007/2008, 2008/2009, 2009/2010, 2010/2011
- **Object Oriented Programming with C++** - (CdL Informatica): AA 2007/2008
- **C++ Programming** - (CdL Informatica): AA 2008/2009, 2009/2010, 2010/2011, 2011/2012, 2012/2013
- **Multimedia Information Systems** - (CdLM Informatica): AA 2009/2010, 2010/2011, 2011/2012

- **Biometric Recognition Systems** - (CdLM Informatica): AA 2009/2010, 2010/2011, 2011/2012
- **Computer Graphics** – (CdLM Informatica): AA 2012/2013, 2013/2014, 2014/2015, 2015/2016, 2016/2017
- **Programming and System Administration** - (CdL Informatica): AA 2013/2014, 2014/2015, 2015/2016, 2016/2017, 2017/2018, 2018/2019
- **Image Processing** - (CdL Informatica): AA 2013/2014, 2014/2015, 2015/2016, 2016/2017, 2017/2018, 2018/2019

## **Management**

Advisor of more than 70 BSC and MS thesis within the Computer Science courses at DISCo.

Scientific Advisor for Silvia Corchs on the topic "Top-down and bottom-up attentive models for vudio-video sequences data mining.

Scientific advisor for a Post-Doc position on "A responsive environment based on multimodal sensor data integration" (2016-2017).

Scientific advisor for a Post-Doc position on "Emotional pictures and sounds: multimodal interactions for positive computing applications" (2017-2018).

In 2007, member of the Doctorate evaluation board in Computer Science at the Jean Monnet University, Saint Etienne.

In 2015, member of the PhD evaluation board in Computer Science at the University of Milano-Bicocca.

Since 2010, he is member of the "Commissione Piani di Studio" for the Dipartimento di Informatica Sistemistica e Comunicazione.

Dal 2014 he is member of Centro di Neuroscienze di Milano (Milan Center of Neuscience).

Since 2015 he is member of the Scuola di Dottorato di Informatica (Doctorate School in Computer Science) at Dipartimento di Informatica Sistemistica e Comunicazione.

In 2018, member of the PhD evaluation board in Computer Science at the University of Milano-Bicocca.

## **Editorial Activities and International Program Commitee**

Member of Editorial Board (Reviewer) of :

- EURASIP Journal on Applied Signal Processing
- Pattern Recognition
- IEEE Transactions on Multimedia
- EURASIP Journal on Image and Video Processing
- IEEE Transactions on Image Processing
- Soft Computing journal
- Multimedia Tools and Applications
- Image and Vision Computing
- Journal of Electronic Imaging
- Signal, Image and Video Processing
- IET Image Processing
- IEEE International Conference on Consumer Electronics
- International Journal of Computer Vision
- International Journal of Pattern Recognition and Artificial Intelligence
- Pattern Recognition Letters
- IEEE Transactions on Pattern Analysis and Machine Intelligence
- Computer Vision and Image Understanding
- IET Electronic Letters

- IEEE Transactions on Industrial Informatics

In 2012 is Associate Editor for the *Handbook of Digital Imaging*, Wiley.

Since 2013 is a member of the Program Committee of the International Conference on Signal Image Technology & Internet Based System.

In 2016 is Editor of the Research Topic: "Mutual Interference between Emotional States and Perception of Visual Stimuli", in Frontiers.

Since 2017 is member of the Program Committee of "Advanced Concepts for Intelligent Vision Systems" (ACIVS) conference.

Since 2017 is member of the Program Committee of the International Conference on Image Analysis and Processing (ICIAP)

Since 2017 is member of the Program Committee of the ECCV International Workshop on Assistive Computer Vision and Robotics (ACVR)

Since 2018 is Associate Editor of Electronics Letters, IET-Digital Library.

## Awards

G. Ciocca, A. Colombo, C. Cusano, R. Schettini, "Communic-Eye", 2° posto al premio "Andrea Scuri" per la miglior idea progettuale nel campo delle tecnologie assistive, 2009.

R. Schettini, G. Ciocca, S. Bianco, M. Buzzelli, D. Mazzini, "Image Recognition in the Consumer Goods and Services Industry", Premio Innovation Grant – Bicocca 2014 sulla tematica.

Grant NVIDIA di un KIT Jetson TX1 come supporto al progetto "Food recognition in constrained and unconstrained environment", 2017.

Best Paper Award al MADiMa 2017 Workshop per il paper "Learning CNN-based Features for Retrieval of Food Image", Gianluigi Ciocca, Paolo Napoletano, and Raimondo Schettini, 2017.

Grant NVIDIA di una scheda GPY Titan Xp come supporto al progetto "Food Segmentation and Localization in the wild", 2018.

## Scientific Research

The research activity, carried out within numerous research projects, is mainly oriented to the design and development of innovative systems for managing image and video databases, and to the development of new methodologies based on machine learning techniques, and algorithms to be used in the fields of image and video analysis, pattern recognition, and multimedia information retrieval. Current research activities are mainly related to: the development of applications for human-machine interaction using computer vision techniques and 3D computer graphics; machine learning and pattern recognition techniques for the analysis and classification of images and video sequences in the context of multimedia information retrieval systems; image quality assessment methods based on models of perception of complexity and visual salience; food segmentation, recognition, and classification for dietary monitoring and assessment.

- Innovative search algorithms for content based retrieval in multimedia databases
- Algorithms for the integration of pictorial data and text data using relevance feedback and query processing.
- Hierarchical classification of images and digital documents based images to their pictorial content to apply to these dedicated algorithms for indexing, reproduction and / or compression.

- Indexation of digital video: automatic extraction of pictorial characteristics, identification of transitions between the homogeneous sequences of video.
- Extraction of relevant frames (Key Frame) summarizing the main events of a video sequence with the creation of dynamic hierarchical summaries.
- Integration of visual attention mechanisms (which simulate human behavior in the identification of salient regions in the images) for the extraction of relevant key frames from video sequences.
- Methods for post-processing video aimed at improving the presentation and use of visual summaries.
- Adaptive algorithms for the correct reproduction of the images based on the analysis of their visual content.
- Algorithms for semantic indexing of images based on record and classification of their visual content.
- Adaptive algorithms for the use of images in consumer devices.
- Machine learning techniques for the estimation of the quality of pictorial data.
- Techniques for the recognition of faces in video sequences.
- Machine learning techniques for food detection, recognition and segmentation.

## **Research Contracts/Projects**

- Research contract with “Good Design”, in collaboration with CNR, 2013
- QBrower, VE-AR S.p.A., 1999
- Intelligent Color Printers, ST Microelectronics, 1999-2001
- Algoritmi di imaging per stampanti a colori, Olivetti Techcenter, 2000-2001
- Elaborazione, analisi e riproduzione di immagini digitali, Olivetti I-Jet, 2002-2003
- Parnaso, Programma Nazionale di Ricerca e Formazione nel Settore dei Beni Culturali ed Ambientali, 2002-2003
- IVIS (Intelligent Video Indexing and Summary), INTERNUM – Programma INTERREG IIIB MEDOCC, 2004
- Creazione di cataloghi informatizzati dei documenti audio-visuali, Fondazione Cariplo e Regione Lombardia, 2004-2006
- Estrazione di informazioni di tipo colorimetrico da tessuti biologici al fine di classificazione, progetto ICT Regione Lombardia, 2006-2008
- Metodi per la gestione e visualizzazione di archivi di immagini , Olivetti Engineering , 2006-2007
- Sistemi interattivi per la fruizione di archivi multimediali, Regione Lombardia, 2007-2008
- Image Processing, quality and analysis methodologies for mobile and digital convergence platforms, 2007-2009, ST Microelectronics
- MOS based video testing, ST Microelectronics, 2007-2008
- No reference image quality, ST Microelectronics , 2007-2008
- Archivi multimediali del '900. I luoghi del lavoro, Regione Lombardia /Fondazione CARIPLO, 2008-2010
- Ricerca e sviluppo di algoritmi e software per il trattamento di valute, CTS Electronics S.p.a, 2009-2010
- SMELLER (Sistema di Monitoraggio Emissioni di singoLi veicoLi in tEmpo Reale, Regione Lombardia, 2011-2013
- Ricerca e sviluppo di soluzioni per il miglioramento del riconoscimento immagini e Stiching di fotografie, Accenture S.p.A., 2010-2013
- TRAFFIC, Milano Ricerche per Sprinx srl, 2012-2013
- COSCH: Colour and Space in Cultural Heritage, EU COST Action, 2012-2016
- Prototyping algorithms for semantic indexing and visualization of photo archives, Ocè-Canon, 2013-2014
- Face detection under camouflage, Bettini srl, 2012
- Progetto Food Design: tecnologie per offrire un'alimentazione sana negli spazi collettivi (Feed'italy), regione Lombardia, 2012-2014
- Riconoscimento di oggetti 3D ed annotazione semantica in sequenza video, Almaviva - “Feed-For-Good “, 2010-2013
- Food recognition in controlled and uncontrolled environments, 2016-2019.



## Publications

- 2 Patents
- 30 International Journals
- 8 Book's Chapter
- 71 International Conferences
- 10 Others

### Patents

- [2] Content-based digital-image classification method (Mauro De Ponti, Raimondo Schettini, Carla Brambilla, Anna Valsasna, Gianluigi Ciocca), number US8452088, 2013.
- [1] Digital image sorting method by contents (Mauro De Ponti, Raimondo Schettini, Carla Brambilla, Anna Valsasna, Gianluigi Ciocca), number JPO 2001-195592, 2001.

### International Journals

- [30] Databases for evaluating interferences between affective content and image quality (Francesca Gasparini, Gianluigi Ciocca, Silvia Corchs), Data in Brief, 103700 (SJR: 0.366)
- [29] CNN-based Features for Retrieval and Classification of Food Images (Gianluigi Ciocca, Paolo Napoletano, Raimondo Schettini) In Computer Vision and Image Understanding, volume 176--177, pp. 70-77, Elsevier, 2018. (IF: 2.645)
- [28] Evaluating the Performance of Structure from Motion Pipelines, (Simone Bianco, Gianluigi Ciocca, Davide Marelli) In Journal of Imaging, volume 4, number 8, 2018.
- [27] Evaluating perceptual visual attributes in social and cultural heritage web sites, (Maria Teresa Artese, Gianluigi Ciocca, Isabella Gagliardi), Journal of Cultural Heritage, volume 26, Supplement C, pp. 91-100, 2017. (IF: 1.955)
- [26] Combination of Video Change Detection Algorithms by Genetic Programming, (Simone Bianco, Gianluigi Ciocca, Raimondo Schettini), In IEEE Transactions on Evolutionary Computation, volume 21, number 6, pp. 914-928, 2017. (IF: 8.508)
- [25] Food recognition: a new dataset, experiments and results, (Gianluigi Ciocca, Paolo Napoletano, Raimondo Schettini) In IEEE Journal of Biomedical and Health Informatics, volume 21, number 3, pp. 588-598, 2017 (IF: 4.217).
- [24] Predicting Complexity Perception of Real World Images, (Silvia Corchs, Gianluigi Ciocca, Emanuela Bricolo, Francesca Gasparini) In PLoS ONE, volume 11, number 6, pp. e0157986, 2016.
- [23] CURL: Image Classification using co-training and Unsupervised Representation Learning, (Simone Bianco, Gianluigi Ciocca, Claudio Cusano) In Computer Vision and Image Understanding, Light Field for Computer Vision, volume 145, pp. 15-29, 2016. (IF: 2.645)
- [22] A Genetic Programming approach to evaluate complexity of texture images, (Silvia Corchs, Gianluigi Ciocca, Francesca Gasparini) In Journal of Electronic Imaging, volume 25, number 6, pp. 061408, SPIE, 2016. (IF: 0.64)
- [21] Image orientation detection using LBP-based features and logistic regression (Gianluigi Ciocca, Claudio Cusano, Raimondo Schettini), In Multimedia Tools and Applications, volume 74, number 9, pp. 3013-3034, Springer US, 2015. (IF: 1.014)
- [20] An interactive tool for manual, semi-automatic and automatic video annotation (Simone Bianco, Gianluigi Ciocca, Paolo Napoletano, Raimondo Schettini), In Computer Vision and Image Understanding, volume 131, pp. 88-99, 2015. (IF: 1.358)
- [19] User Preferences Modeling and Learning for Pleasing Photo Collage Generation (Simone Bianco, Gianluigi Ciocca), In Transactions on Multimedia Computing Communications and Applications, ACM, volume 12, number 1, pp. 1-23, 2015. (IF: 0.9)

- [18] How to assess image quality within a workflow chain: an overview (Gianluigi Ciocca, Silvia Corchs, Francesca Gasparini, Raimondo Schettini), In International Journal on Digital Libraries, Springer, volume 15, number 1, pp. 1-25, 2014. (SJR: 0.203)
- [17] On the use of Supervised Features for Unsupervised Image Categorization: an evaluation (Gianluigi Ciocca, Claudio Cusano, Simone Santini, Raimondo Schettini), In Computer Vision and Image Understanding, volume 122, pp. 155-171, 2014. (IF: 1.358)
- [16] Browsing museum image collections on a multi-touch table (Gianluigi Ciocca, Paolo Olivo, Raimondo Schettini), In Information Systems, Elsevier, volume 37, number 2, pp. 169-182, 2012. (IF: 1.768)
- [15] Halfway through the semantic gap: Prosemantic features for image retrieval (Gianluigi Ciocca, Claudio Cusano, Simone Santini, Raimondo Schettini), In Information Sciences, Elsevier, volume 181, number 22, pp. 4943-4958, 2011. (IF: 3.643)
- [14] A robust multi-feature cut detection algorithm for video segmentation (Gianluigi Ciocca), In Electronic Letters on Computer Vision and Image Analysis, CVC Press, volume 9, number 1, 2010. (SJR: 0.142)
- [13] Automatic color constancy algorithm selection and combination (Simone Bianco, Gianluigi Ciocca, Claudio Cusano, Raimondo Schettini), In Pattern Recognition, Elsevier, volume 43, number 3, pp. 695-705, 2010. (IF: 2.632)
- [12] Improving color constancy using indoor-outdoor image classification (Simone Bianco, Gianluigi Ciocca, Claudio Cusano, Raimondo Schettini), In Image Processing, IEEE Transactions on, IEEE, volume 17, number 12, pp. 2381-2392, 2008. (IF: 3.199)
- [11] Self-adaptive image cropping for small displays (Gianluigi Ciocca, Claudio Cusano, Francesca Gasparini, Raimondo Schettini), In Consumer Electronics, IEEE Transactions on, IEEE, volume 53, number 4, pp. 1622-1627, 2007. (IF: 0.941)
- [10] Supervised and unsupervised classification post-processing for visual video summaries (Gianluigi Ciocca, Raimondo Schettini), In Consumer Electronics, IEEE Transactions on, IEEE, volume 52, number 2, pp. 630-638, 2006. (IF: 0.941)
- [9] An innovative algorithm for key frame extraction in video summarization (Gianluigi Ciocca, Raimondo Schettini), In Journal of Real-Time Image Processing, Springer Berlin / Heidelberg, volume 1, pp. 69-88, 2006. (IF: 1.156)
- [8] Automatic classification of digital photographs based on decision forest (Raimondo Schettini, Carla Brambilla, Claudio Cusano, Gianluigi Ciocca), In International Journal of Pattern Recognition and Artificial Intelligence, World Scientific, volume 18, pp. 819-845, 2004. (IF: 0.56)
- [7] Retinex preprocessing of uncalibrated images for color-based image retrieval (Gianluigi Ciocca, Daniele Marini, Alessandro Rizzi, Raimondo Schettini, Silvia Zuffi), In Journal of Electronic Imaging, SPIE, volume 12, number 1, pp. 161-172, 2003. (IF: 1.061)
- [6] A hierarchical classification strategy for digital documents (Raimondo Schettini, Carla Brambilla, Gianluigi Ciocca, Anna Valsasna, Mauro De Ponti), In Pattern Recognition, Elsevier, volume 35, number 8, pp. 1759-1769, 2002. (IF: 2.632)
- [5] Quicklook2: An Integrated Multimedia System (Gianluigi Ciocca, Isabella Gagliardi, Raimondo Schettini), In Journal of Visual Languages and Computing, Elsevier, volume 12, number 1, pp. 81-103, 2001. (IF: 0. 893)
- [4] Content-based similarity retrieval of trademarks using relevance feedback (Gianluigi Ciocca, Raimondo Schettini), In Pattern Recognition, Elsevier, volume 34, number 8, pp. 1639-1655, 2001. (IF: 2.632)
- [3] Color-based image retrieval using spatial-chromatic histograms (Luigi Cinque, Gianluigi Ciocca, Stefano Levialdi, A. Pellicanò, Raimondo Schettini), In Image and Vision Computing, Elsevier, volume 19, number 13, pp. 979-986, 2001. (IF: 1.959)
- [2] The Quicklook image search engine (Gianluigi Ciocca, Raimondo Schettini), In Journal of Image and Graphics, volume 5, pp. 645-648, 2000.
- [1] A relevance feedback mechanism for content-based image retrieval (Gianluigi Ciocca, Raimondo Schettini), In Information Processing and Management, Elsevier, volume 35, number 5, pp. 605-632, 1999. (IF: 0.817)

### **Book's Chapter**

- [8] Quality Of Images (Gianluigi Ciocca, Silvia Corchs, Francesca Gasparini, Carlo Batini, Raimondo Schettini), Chapter in Data and Information Quality: Dimensions, Principles and Techniques (Carlo Batini, Monica Scannapieco eds.), Springer, 2015.
- [7] Modeling Image Quality (Gianluigi Ciocca, Silvia Corchs, Francesca Gasparini, Raimondo Schettini), Chapter in Encyclopedia of Information Science and Technology (Mehdi Khosrow-Pour, ed.), IGI Global, pp. 569-580, 2014.
- [6] High-level features for image indexing and retrieval (Gianluigi Ciocca, Claudio Cusano, Simone Santini, Raimondo Schettini), Chapter in Encyclopedia of Information Science and Technology (Mehdi Khosrow-Pour, ed.), IGI Global, pp. 510-519, 2014.
- [5] Intangible Heritage Management and Multimodal Navigation (Gianluigi Ciocca, Alessandro Colombo, Raimondo Schettini, Isabella Gagliardi, Maria Teresa Artese), Chapter in Handbook of Research on Technologies and Cultural Heritage: Applications and Environments (G. Styliaras, D. Koukopoulos, F. Lazarinis, eds.), IGI Global, pp. 85-118, 2011.
- [4] Feature Extraction for Content Based Image Retrieval (Raimondo Schettini, Isabella Gagliardi, Gianluigi Ciocca), Chapter in Encyclopedia of Database Systems (MT Özsü, L. Liu, eds.), Springer, pp. 1115-1119, 2009.
- [3] Visual Information Retrieval - Indicizzazione e reperimento di dati pittorici (Gianluigi Ciocca, Raimondo Schettini), Chapter in Winter School in Intelligenza Artificiale nei Beni Culturali (S. Bandini, L. Bordoni, G. Mantegari, eds.), Pubblicazioni ENEA, pp. 65-82, 2007.
- [2] Content based image retrieval and video retrieval using the QuickLook search engine (Isabella Gagliardi, Raimondo Schettini, Gianluigi Ciocca), Chapter in MultiMedia Information Retrieval (R. Raieli, P. Innocenti, eds.), AIDA, pp. 151-170, 2004.
- [1] A survey on methods for colour image indexing and retrieval in image databases (Gianluigi Ciocca, Raimondo Schettini, Silvia Zuffi), Chapter in Color Imaging Science: Exploiting Digital Media (R. Luo, L. MacDonald, eds.), Wiley, pp. 183-211, 2002.

### **International Conferences**

- [71] Combining Saliency Estimation methods, Marco Buzzelli, Simone Bianco, Gianluigi Ciocca, In Proceedings ICIAP 2019, LNCS, (Accepted)
- [70] Autocropping: a closer look at benchmark datasets, (Luigi Celona, Gianluigi Ciocca, Paolo Napoletano, Raimondo Schettini), In Proceedings, ICIAP 2019, LNCS, (Accepted)
- [69] Analyzing color harmony of food images, (Gianluigi Ciocca, Paolo Napoletano, Raimondo Schettini, Maria Teresa Artese, Isabella Gagliardi), In CIC27, (Accepted).
- [68] A Web Application for Glasses Virtual Try-on in 3D Space, (Davide Marelli, Simone Bianco, Gianluigi Ciocca) In ISCT 2019 (Accepted).
- [67] Evaluating CNN-based semantic food segmentation across illuminants, (Gianluigi Ciocca, Davide Mazzini, Raimondo Schettini) In Computational Color Imaging, volume 11418 of Lecture Notes in Computer Science, (CCIW 2019), pp. 165-179, 2019.
- [66] Evaluation of automatic image color theme extraction methods, (Gianluigi Ciocca, Paolo Napoletano, Raimondo Schettini) In Computational Color Imaging, volume 11418 of Lecture Notes in Computer Scienc, (CCIW 2019), pp. 247-259, 2019.
- [65] A Blender plug-in for comparing Structure from Motion pipelines, (Simone Bianco, Gianluigi Ciocca, Davide Marelli) In International Conference on Consumer Electronics - Berlin (ICCE-Berlin), pp. 1-5, 2018.
- [64] Activity monitoring from RGB input for indoor action recognition systems, (Gianluigi Ciocca, Alessio Elmi, Paolo Napoletano, Raimondo Schettini) In International Conference on Consumer Electronics - Berlin (ICCE-Berlin), pp. 1-4, 2018.

- [63] IVLFood-WS: Recognizing food in the wild using Deep Learning, (Gianluigi Ciocca, Paolo Napoletano, Raimondo Schettini) In International Conference on Consumer Electronics - Berlin (ICCE-Berlin), pp. 1-6, 2018.
- [62] Semantic food segmentation by deep convolutional neural networks, (Sinem Aslan, Gianluigi Ciocca, Raimondo Schettini) In International Conference on Consumer Electronics - Berlin (ICCE-Berlin), pp. 1-6, 2018.
- [61] Quality Assessment of JPEG-distorted Face Images: Influence of Affective Content, (Silvia Corchs, Gianluigi Ciocca, Francesca Gasparini) In 5th International Joint Conference on e-Business and Telecommunications (ICETE 2018) - Volume 1: DCNET, ICE-B, OPTICS, SIGMAP and WINSYS, pp. 552-559, 2018.
- [60] Semantic segmentation of food images by deep convolutional neural networks, (Sinem Aslan, Gianluigi Ciocca, Raimondo Schettini), submitted to IEEE International Conference on Image Processing, ICIP 2018.
- [59] On Comparing Color Spaces for Food Segmentation, (Sinem Aslan, Gianluigi Ciocca, Raimondo Schettini) In New Trends in Image Analysis and Processing -- ICIAP 2017: ICIAP International Workshops, WBICV, SSPandBE, 3AS, RGBD, NIVAR, IWBAAS, and MADiMa 2017, Catania, Italy, September 11-15, 2017, Revised Selected Papers, Cham, pp. 435-443, Springer International Publishing, 2017.
- [58] How Far Can You Get by Combining Change Detection Algorithms? (Simone Bianco, Gianluigi Ciocca, Raimondo Schettini) In Image Analysis and Processing - ICIAP 2017, volume 10484 of Lecture Notes in Computer Science, pp. 96-107, Springer, 2017.
- [57] Learning CNN-based Features for Retrieval of Food Images, (Gianluigi Ciocca, Paolo Napoletano, Raimondo Schettini) In New Trends in Image Analysis and Processing -- ICIAP 2017: ICIAP International Workshops, WBICV, SSPandBE, 3AS, RGBD, NIVAR, IWBAAS, and MADiMa 2017, Catania, Italy, September 11-15, 2017, Revised Selected Papers, Cham, pp. 426-434, Springer International Publishing, 2017.
- [56] A Complexity-Based Image Analysis to Investigate Interference Between Distortions and Image Contents in Image Quality Assessment,(Gianluigi Ciocca, Silvia Corchs, Francesca Gasparini) In Computational Color Imaging: 6th International Workshop, CCIW 2017, Milan, Italy, March 29-31, 2017, Proceedings, pp. 105-121, Springer International Publishing, 2017.
- [55] Human perception of image complexity: real scenes versus texture patches, (Silvia Corchs, Gianluigi Ciocca, Francesca Gasparini) In Journal of Alzheimer's Disease, Abstracts for the Second International Meeting of the Milan Center for Neuroscience (Neuromi): Prediction and Prevention of Dementia: New Hope (Milan, July 6-8, 2016), volume 53, number s1, pp. s51, 2016.
- [54] Food Recognition and Leftover Estimation for Daily Diet Monitoring (Gianluigi Ciocca, Paolo Napoletano, Raimondo Schettini), In New Trends in Image Analysis and Processing -- ICIAP 2015 Workshops (Vittorio Murino, Enrico Puppo, Diego Sona, Marco Cristani, Carlo Sansone, eds.), Springer International Publishing, volume 9281 of Lecture Notes in Computer Science, pp. 334-341, 2015.
- [53] Does color influence image complexity perception? (Gianluigi Ciocca, Silvia Corchs, Francesca Gasparini, Emanuela Bricolo, Riccardo Tebano), In Computational Color Imaging (CCIW'15), Fifth International Workshop, Springer Berlin / Heidelberg, volume 9016 of Lecture Notes in Computer Science, pp. 139-148, 2015.
- [52] Complexity Perception of Texture Images (Gianluigi Ciocca, Silvia Corchs, Francesca Gasparini), In New Trends in Image Analysis and Processing -- ICIAP 2015 Workshops (Vittorio Murino, Enrico Puppo, Diego Sona, Marco Cristani, Carlo Sansone, eds.), Springer International Publishing, volume 9281 of Lecture Notes in Computer Science, pp. 119-126, 2015.
- [51] Video salient event classification using audio features (Silvia Corchs, Gianluigi Ciocca, Massimiliano Fiori, Francesca Gasparini), In Imaging and Multimedia Analytics in a Web and Mobile World 2014, SPIE, volume 9027, pp. 90270P, 2014.
- [50] Image Indexing Using Prosemantic Features (Gianluigi Ciocca, Claudio Cusano, Simone Santini, Raimondo Schettini), Archiving 2014 Conference, Final Program and Proceedings, IS&T, pp. 88-93, 2014.

- [49] Scoring Recognizability of Faces for Security Applications (Simone Bianco, Gianluigi Ciocca, Giuseppe Claudio Guarnera, Andrea Scaggiante, Raimondo Schettini), In Image Processing: Machine Vision Applications VII, SPIE, volume 9024, pp. 90240L, 2014.
- [48] On the Use of MKL for Cooking Action Recognition (Simone Bianco, Gianluigi Ciocca, Paolo Napoletano), In Image Processing: Machine Vision Applications VII, SPIE, volume 9024, pp. 90240G, 2014.
- [47] Good 50x70 Project: A portal for Cultural And Social Campaigns, (Maria Teresa Artese, Gianluigi Ciocca, Isabella Gagliardi), Archiving 2014 Conference, Final Program and Proceedings, IS&T, pp. 213-218, 2014.
- [46] A semi-automatic annotation tool for cooking video (Simone Bianco, Gianluigi Ciocca, Paolo Napoletano, Raimondo Schettini, Roberto Margherita, Gianluca Marini, Giorgio Gianforme, Giuseppe Pantaleo), In Image Processing: Machine Vision Applications VI, SPIE, volume 8661, pp. 866112, 2013.
- [45] Cooking action recognition with iVAT: an interactive video annotation tool (Simone Bianco, Gianluigi Ciocca, Paolo Napoletano, Raimondo Schettini, Roberto Margherita, Gianluca Marini, Giuseppe Pantaleo), In 17th International Conference on Image Analysis and Processing (ICIAP 2013), Springer Berlin / Heidelberg, volume 8157 of Lecture Notes in Computer Science, pp. 631-641, 2013.
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