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Short CV of Stefano Berretti

Stefano Berretti received the master's degree in Electronics Engineering (Laurea in Ingegneria Elettronica) cum laude, and the Ph.D. in Computer and Telecommunications Engineering from University of Florence (UNIFI), Italy, in 1997 and 2001, respectively. From 2000 to 2002 he has been a Research Assistant at the Department of Systems and Computer Engineering, and from 2002 to 2011 Assistant Professor at UNIFI. Since 2011, he is an Associate Professor at the Department of Information Engineering at UNIFI. In April 2017 he got the habilitation as Full Professor of Computer Engineering. Currently, he teaches "Fundamentals of Computer Programming" and "Computer Graphics and 3D," respectively, at the first and second level graduate program in Computer Engineering. He also regularly teaches at the doctoral School in "Smart Computing," jointly supported by University of Florence, University of Pisa and University of Siena.

The research activities of Stefano Berretti focused on pattern recognition techniques for content-based image retrieval and efficient indexing. Then, his main research interests moved to 3D Computer Vision by investigating new methods for face biometric, facial expression recognition, analysis of human behavior from 3D dynamic videos of the face and body. Machine learning solutions based on the deep learning paradigm have been used in some of his most recent works. On the above themes, he authored more than 160 scientific publications appeared in some of the most distinguished journals and conferences in the area of Computer Vision and Pattern Recognition (15 IEEE Transactions, 3 ACM Transactions, and some top ranked conferences, like CVPR, BMVC, FG, etc). Results of the scientific research have been awarded several times: The paper on 3D face recognition at MIR'06 was ranked as the best paper among all submitted works; The 3D face recognition approach based on MIR'06 paper resulted the best competitor at the SHREC'08 contest on 3D face recognition; he received the best paper award at the *IEEE Conf. on Computer Vision and Pattern Recognition Workshop on Biometrics*, 2017, for the paper entitled "Investigating Nuisance Factors in Face Recognition with DCNN Representation"; The paper entitled "Defining mesh-LBP Variants for 3D Relief Patterns Classification," received the best student paper award at the *VII Int. Workshop on Representation, Analysis and Recognition of Shape and Motion from Image Data* (RFMI 2017). For his services to the scientific community, he also received the best reviewer Award 2015, from the *Multimedia System Journal*, edited by Springer, was recognized as outstanding reviewer for the "Pattern Recognition" journal, edited by Elsevier, in 2015, and received certificates of appreciation from IEEE in 1999 and from ACM in 2010.

Stefano Berretti carried out research activities at the following hosting Institutions: Visiting researcher at the Indian Institute of Technology (IIT), in Mumbai, India, during April 2000; Visiting researcher at the Institute TELECOM, TELECOM Lille 1, in Lille, France, on October-November 2009; Visiting researcher at

the Khalifa University of Science Technology & Research, Sharjah campus, United Arab Emirates, in June 2013. In September 2019, he will be Visiting Professor at University of Alberta, Canada, teaching a course on “3D Human Acquisition, Sentiment Analysis and Animation”. Stefano Berretti participated also in several national and international research projects, some of them funded by the EU.

Stefano Berretti was among the local organizers of the 9th IAPR *Int. Conf. on Image Analysis and Processing* ICIAP'97 (Florence, Italy, Sept. 1997), the IEEE *Int. Conf. on Multimedia Computing and Systems* ICMCS'99 (Florence, Italy, June 1999), and the ACM *Int. Conf. on Multimedia* ACM MM'10 (Florence, Italy, Nov. 2010). He served as Local Arrangement Chair of the ACM *Int. Conf. on Multimedia* ACM MM'10, as Visa Chair of the *European Conf. on Computer Vision* ECCV'12 (Florence, Italy, Oct. 2012), and also as Workshop co-Chair of the Fifth Workshop on *Non-Rigid Shape Analysis and Deformable Image Alignment* NORDIA'12 held in conjunction with ECCV 2012. He served as Program Chair of the *5th IEEE Conf. on Advances in Computing, Communications and Informatics*, ICACCI'16 (Jaipur, India, Sept. 2016), and the Program Chair of the *Int. Conf. on Smart Multimedia* (Toulone, France, August 2018). He is also the Workshop and Tutorial co-Chair of the *IEEE Conf. on Face and Gesture Recognition* (FG'19) (Lille, France, May 2019). His service as a Program Committee member includes, among the others, the *Int. Workshop on Adaptive Multimedia Retrieval* (AMR, from 2006 to 2012), the 2007 IAPR Computational Color Imaging Workshop CCIW, the ACM SIGMM *Int. Workshop on Multimedia Information Retrieval* (MIR'07), the *Int. ACM SIGIR Conference*, the ACM SIGMM *Int. Conf. on Multimedia Information Retrieval* (MIR'10), the *3rd Eurographics Workshop on 3D Object Retrieval* (3DOR'10), the *ACM Workshop on 3D Object Retrieval* and the *Int. ACM Workshop on Multimedia access to 3D Human Objects* (MA3HO'11), the *Eurographics Workshop on 3D Object Retrieval* (3DOR, from 2008 to 2019).

Since January 2016, Stefano Berretti serves as Information Director of the *ACM Transactions on Multimedia Computing, Communications and Applications* (ACM TOMM). He also serves as Associate Editor of the *IET Computer Vision* journal (IETcv), the *Mdpi Journal on Imaging*, and he is a frequent reviewer of many conferences and journals in the area of computer vision, pattern recognition, artificial intelligence and multimedia. He is a member of the International Association for Pattern Recognition (IAPR), the Computer Vision Foundation, the ACM, and Senior IEEE Member.

Bibliometric indices according to Google scholar – Citations: 4016; h-index: 31; i10-index: 74.

The complete list of Stefano Berretti's publications can be found at:

- personal web page: <https://www.micc.unifi.it/berretti/publications.html>
- DBLP account: <https://dblp.org/pers/hd/b/Berretti:Stefano/>
- Google Scholar account: <https://scholar.google.it/citations?user=3GPTAGQAAAAJ&hl=en&oi=ao>

Florence, November 19, 2021

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