

Curriculum vitae – LORIS NANNI

Associate Professor at
Department of Information Engineering of the University of Padua
address: Dipartimento di Ingegneria dell'Informazione, Via Gradenigo, 6/A - 35131- Padova Italy

CURRENT AND PREVIOUS POSITIONS

- 2017-present Associate Professor, Department of Information Engineering of University of Padua, Italy
- 2010-2017 Associate Researcher, Department of Information Engineering of University of Padua, Italy
- 2006-2010 Research fellow and teaching assistant, Department of Computer Engineering of University of Bologna, Italy
- 2003-2006 Ph.D student, Department of Computer Engineering of University of Bologna, Italy

Research projects and scientific collaborations

National:

2003-2004: "Sistemi distribuiti di riconoscimento multisensoriale a percezione aumentata per la sicurezza e la personalizzazione d'ambiente", COFIN 2002 (ex. 40%).

2005-2006: "Sistemi di Biometria Multi-modale e Riconoscimento di Forme per la Video Sorveglianza e la Sicurezza dei Sistemi Informatici", COFIN 2004 (ex. 40%).

European:

- 2004-2007: Rete di Eccellenza (NoE) "BioSecure" (IST-2002-507634), VI Programma Quadro, IST Priority.

International:

- 2008-2011: "Exploring Artificial Intelligence in Artistic Process and Expression", Missouri State University

Professional activities

- 2012: PC-member of the 6th International Conference on Practical Applications of Computational Biology & Bioinformatics (PACBB'12)
- 2012: guest-editor of the special issue "Learning Approaches for Biometric Identification and Verification" of the "Advances in Artificial Intelligence".
- 2011: PC-member of the 1st Int. Workshop and Tutorial on Automated Forensic Handwriting Analysis (AFHA 2011)
- 2011: co-editor of the book "State of the Art in Biometrics" (Intech, Vienna, Austria, 2011, ISBN 978-953-307-489-4).
- 2009: co-chair of the workshop (Workshop on Automated Interpretation and Modeling of Cell Images) at the ICML (International Conference On Machine Learning) 2009.
- 2008-now: member of the editorial board of the International Journal of Automated Identification Technology

TEACHING ACTIVITIES

2011-2012 master bachelor course, Advanced Database Systems, University of Padua, Italy.

2012-2016 1th year bachelor course, Database Systems, University of Padua, Italy.

2016-present 2nd year bachelor course, Data & Algorithms, University of Padua, Italy.

SCIENTIFIC COMMITTEES AND EDITORIAL BOARDS

Editorial board member:

- International Journal of Automated Identification Technology.
- Dataset Papers in Bioinformatics

PC-member:

- 1st Int. Workshop and Tutorial on Automated Forensic Handwriting Analysis (AFHA 2011)
- 6th International Conference on Practical Applications of Computational Biology & Bioinformatics (PACBB'12)
- first International Workshop on Computer Vision With Local Binary Pattern Variants (LBP'12)
- 7th International Conference on Practical Applications of Computational Biology & Bioinformatics (PACBB'13)
- PACBB'14 (International Conference on Practical Applications of Computational Biology & Bioinformatics)
- ACCV 2014 (The 12th Asian Conference on Computer Vision 2014) November 1-5, 2014, National University of Singapore, Singapore
- PACBB'16 (International Conference on Practical Applications of Computational Biology & Bioinformatics)

MAJOR COLLABORATIONS

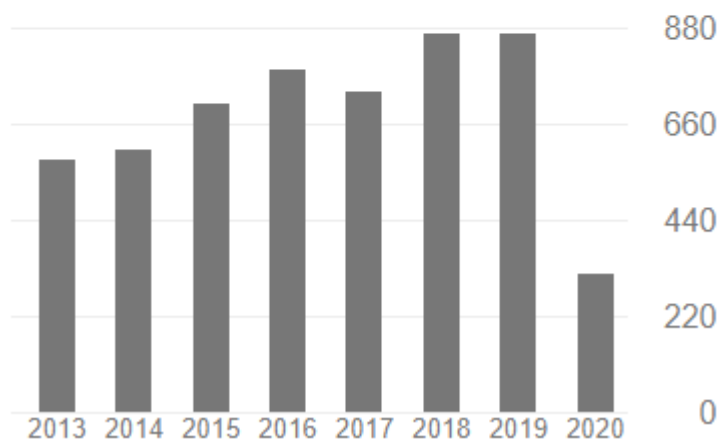
Alessandra Lumini (University of Bologna); Sheryl Brahman (Missouri state university); Linda Pattini (Department of Bioengineering, IIT Unit - Politecnico di Milano); Chun-Nan Hsu (Institute of Information Science, Academia Sinica, Taipei, Taiwan); Patrizio Campisi (Università degli Studi "Roma Tre"); J. Ortega-Garcia (Universidad Autonoma de Madrid); Claudio Manna (Junior s.r.l.); Northwestern Polytechnical University, Xi'An, China; International Centre for Genetic Engineering and Biotechnology, New Delhi, India; State University of Maringa (UEM), Maringa, PR, Brazil; Sejong University, Seoul, Korea.

RESEARCH ACTIVITY

Loris Nanni carries out research at DEI-university of Padua in the fields of biometric systems, pattern recognition, machine learning, image databases, bioinformatics. He extensively served as referee for international journals (IEEE Transactions on Pattern Analysis and Machine Intelligence, Pattern Recognition, Bioinformatics; BMC Bioinformatics, Pattern Recognition Letters) and projects. He is coauthor of more than 250 research papers. He has a H-index of 48 and more than 7600 citations (Google Scholar).

Cited by [VIEW ALL](#)

	All	Since 2015
Citations	7631	4276
h-index	48	31
i10-index	148	105




SELECTED PUBLICATIONS

From Scholar (<https://scholar.google.it/citations?user=5NSGzcQAAAAJ&hl=en>), ranked by citations:

- [1] Fierrez-Aguilar, Julian; Nanni, Loris; Lopez-Penalba, Jaime; Ortega-Garcia, Javier; Maltoni, Davide; ,An on-line signature verification system based on fusion of local and global information,Audio-and video-based biometric person authentication,,627-656,2005,Springer
- [2] Lumini, Alessandra; Nanni, Loris; ,An improved biohashing for human authentication,Pattern recognition,40,3,1057-1065,2007,Pergamon
- [3] Nanni, Loris; Lumini, Alessandra; ,An ensemble of K-local hyperplanes for predicting protein-protein interactions,Bioinformatics,22,10,1207-1210,2006,Oxford Univ Press
- [4] Nanni, Loris; Lumini, Alessandra; ,Genetic programming for creating Chou's pseudo amino acid based features for submitochondria localization,Amino acids,34,4,653-660,2008,Springer Vienna
- [5] Nanni, Loris; Lumini, Alessandra; ,Local binary patterns for a hybrid fingerprint matcher,Pattern recognition,41,11,3461-3466,2008,Elsevier
- [6] Nanni, Loris; Lumini, Alessandra; Brahmam, Sheryl; ,Local binary patterns variants as texture descriptors for medical image analysis,Artificial intelligence in medicine,49,2,117-125,2010,Elsevier
- [7] Nanni, Loris; Maio, Dario; ,Weighted sub-Gabor for face recognition,Pattern Recognition Letters,28,4,487-492,2007,North-Holland

- [8] Nanni, Loris; Lumini, Alessandra; ,An experimental comparison of ensemble of classifiers for bankruptcy prediction and credit scoring,Expert systems with applications,36,2,3028-3033,2009,Pergamon
- [9] Nanni, Loris; Lumini, Alessandra; ,Random subspace for an improved bihashing for face authentication,Pattern Recognition Letters,29,3,295-300,2008,North-Holland
- [10] Nanni, Loris; ,A novel ensemble of classifiers for protein fold recognition,Neurocomputing,69,16,2434-2437,2006,Elsevier
- [11] Nanni, Loris; Lumini, Alessandra; ,A multi-matcher for ear authentication,Pattern Recognition Letters,28,16,2219-2226,2007,Elsevier
- [12] Nanni, Loris; Lumini, Alessandra; ,A hybrid wavelet-based fingerprint matcher,Pattern Recognition,40,11,3146-3151,2007,Elsevier
- [13] Nanni, Loris; Lumini, Alessandra; ,A novel local on-line signature verification system,Pattern Recognition Letters,29,5,559-568,2008,Elsevier
- [14] Nanni, Loris; Lumini, Alessandra; ,Particle swarm optimization for prototype reduction,Neurocomputing,72,4,1092-1097,2009,Elsevier
- [15] Nanni, Loris; Lumini, Alessandra; ,A reliable method for cell phenotype image classification,Artificial intelligence in medicine,43,2,87-97,2008,Elsevier
- [16] Nanni, Loris; ,Hyperplanes for predicting protein-protein interactions,Neurocomputing,69,1,257-263,2005,Elsevier
- [17] Nanni, Loris; Lumini, Alessandra; Gupta, Dinesh; Garg, Aarti; ,Identifying bacterial virulent proteins by fusing a set of classifiers based on variants of Chou's pseudo amino acid composition and on evolutionary information,IEEE/ACM Transactions on Computational Biology and Bioinformatics,9,2,467-475,2012,IEEE
- [18] Nanni, Loris; Maiorana, Emanuele; Lumini, Alessandra; Campisi, Patrizio; ,"Combining local, regional and global matchers for a template protected on-line signature verification system",Expert Systems with Applications,37,5,3676-3684,2010,Elsevier
- [19] Nanni, Loris; Lumini, Alessandra; Brahmam, Sheryl; ,Survey on LBP based texture descriptors for image classification,Expert Systems with Applications,39,3,3634-3641,2012,Elsevier
- [20] Nanni, Loris; Brahmam, Sheryl; Lumini, Alessandra; ,A local approach based on a Local Binary Patterns variant texture descriptor for classifying pain states,Expert Systems with Applications,37,12,7888-7894,2010,Elsevier

Padua, April 29, 2020

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