Vittorio Cuculo

Education

2014-2017 **PhD in Mathematical Sciences**
University of Milan
Thesis: *"A probabilistic approach to the construction of a multimodal affect space"*
Supervisor: Prof. Giuseppe Boccignone

2012-2014 **Master's Degree in Computer Science for Communication**
Department of Computer Science
University of Milan
Degree mark: 110/110 cum laude
Thesis: *"Use of sparse coding in a computational model for the analysis of facial affective expressions"*

2007-2011 **Bachelor's Degree in Computer Science**
Department of Computer Science
University of Pisa
Thesis: *"Integration of messaging and video calling tools in the Diaspora* project"*

Research Activity

Mar 2023 - **Assistant Professor**
present Department of Engineering "Enzo Ferrari"
University of Modena and Reggio Emilia

Mar 2018 - **Post-Doctoral Research Fellow**
Mar 2020 Department of Computer Science "Giovanni degli Antoni"
University of Milan

Nov 2017 - **Research Fellow**
Feb 2018 Department of Computer Science "Giovanni degli Antoni"
University of Milan

Teaching Activity

2023- **Teaching assignment**
present IoT and 3D Intelligent Systems (30 hours)
Master's Degree in Artificial Intelligence Engineering
University of Modena and Reggio Emilia

2023- **Teaching assignment**
2025 System Programming (30 hours)
Bachelor's Degree in Computer Engineering
University of Modena and Reggio Emilia - Mantua Campus

2023- **Teaching assignment**
2024 Computer Vision and Cognitive Systems (24 hours)
Master's Degree in Artificial Intelligence Engineering
University of Modena and Reggio Emilia

2021-2022 **Adjunct Professor**
Artificial Intelligence and Human Intelligence (20 hours)
Master's Degree in Cognitive Sciences
University of Milan

2019-2023 **Adjunct Professor**
Statistics and Data Analysis (36 hours)
Computer Science Department
University of Milan

2018-2019 **Adjunct Professor**
Educational Laboratory "Information Management and Web" (30 hours)
Bachelor's Degree in History
University of Milan

2019 **Tutoring activity (art.45)**
Computer Science Assessment Courses
University of Milan

Invited Lectures

Jun 2025 **Invited lecture**
Title: "An introduction to the use of PyTorch and Google Colab Environments" (3 hours)
International Summer School on Artificial Intelligence (AI-DLDA)
University of Udine, Italy

Mar 2024 **Invited lecture**
Title: "A look at Artificial Intelligence: How our gaze influences the world" (3 hours)
Master's Degree in Interior and Spatial Design
Politecnico di Milano, Milan

Mar 2023 **Invited lecture**
Title: "Affective computing" (2 hours)
Master in Interaction Design
Domus Academy, Milan

Feb 2019 **Invited lecture**
Title: "Affective computing" (4 hours)
Master in Interaction Design
Domus Academy, Milan

Jan 2019 **Invited lecture and workshop**
Title: "Analysing emotion perception in dyadic interaction"
Ref: Prof. Dr. Phil. Christoph Klein
University Hospital Freiburg, Germany

Oct 2018 **Invited lecture**
Title: "Affective computing" (4 hours)
Master in Interaction Design
Domus Academy, Milan

Feb 2017 **Invited lecture**
Title: "Affective computing" (4 hours)
Master in Interaction Design
Domus Academy, Milan

Work Experience

Mar 2020 - **Head of R&D and Project Manager**
Mar 2023 dotdotdot srl, Milan
Project Manager for healthcare projects.
Researcher in affective computing, wellbeing monitoring, and telemedicine.
Development of machine learning algorithms for indoor positioning.

Aug 2013 - **Physical Computing Specialist**
Aug 2017 dotdotdot srl, Milan
Development of permanent and temporary interactive installations for museums and companies.
Implementation of prototypes and products for Human-Computer Interaction (HCI)
and Natural Interaction (NI) based on computer vision, embedded systems, sensors,
mobile applications, and web technologies.

Training Activities

Sept 2018 **Summer school**
Student at Gaussian Process and Uncertainty Quantification Summer School (GPSS 2018)
University of Sheffield, UK

Jul 2015 **Summer school**
Student at International Computer Vision Summer School (ICVSS 2015)
University of Catania

Sept 2009 - **Erasmus Lifelong Learning Programme (LLP)**
Feb 2010 Student at Department of Information Technology
Uppsala University, Sweden

Project Activities

2023 - **ITSERR**
present PNRR project Italian Strengthening of Esfri RI Resilience
Role: Unit member
Funded by: European Union
Call: "NextGenerationEU (CUP:B53C22001770006)"

2019 - 2022 **REFLOW**
constRuctive mEtabolic processes For materiaL flOWs in urban and peri-urban
environments across Europe
Role: Unit member (with Opendot srl)
Funded by: European Union
Call: "H2020-EU.3.5. - Climate action, Environment, Resource Efficiency and Raw Materials"

2019 - 2020 **Stairway to elders**
Bridging space, time and emotions in their social environment for wellbeing
Role: Dissemination coordinator
Funded by: Cariplo Foundation
Call: "Social Research on Aging: People, Places and Relationships", grant no. 2018-0858.

2014 - 2017 **Interpreting emotions**
A computational tool integrating facial expressions and biosignals based shape analysis
and bayesian networks

Role: Participant
Funded by: MIUR
Call: "Fund for Basic Research Investments" (FIRB)

Conference Service Activities

Organizing Committee

2025
Organizer and Workshop Chair - of the international workshop "Human-inspired Computer Vision" (HCV 2025) at the "International Conference on Computer Vision" (ICCV 2025). Honolulu, Hawaii, October 2025.
Reference: https://sites.google.com/view/hcvworkshop2025

Area Chair - of the international conference "33rd ACM International Conference on Multimedia" (ACMMM 2025). Dublin, Ireland, October 2025.
Reference: https://2025.acmmm.org/

Track Chair - of the international conference "40th ACM/SIGAPP Symposium On Applied Computing (SAC 2025)" – Track on "Graph Models for Learning and Recognition" (GMLR 2025). Catania, Italy, March 2025.
Reference: https://phuselab.di.unimi.it/GMLR2025/

Publicity Chair - for the "21st Conference on Information and Research Science Connecting to Digital and Library Science" (IRCDL 2025). Udine, Italy, February 2025.
Reference: https://ircdl2025.uniud.it/

Organizer and Workshop Chair - of the international workshop "4th Automatic Affect Analysis and Synthesis Workshop" (3AS 2025) at the "International Conference on Image Analysis and Processing" (ICIAP 2025). Rome, Italy, September 2025.
Reference: https://sites.google.com/unimib.it/3asiciap2025

2024
Area Chair - of the international conference "32nd ACM International Conference on Multimedia" (ACMMM 2024) – awarded Outstanding Area Chair. Melbourne, Australia, October 2024.
Reference: https://2024.acmmm.org/

Workshop Chair - of the international workshop "Human-inspired Computer Vision" (HCV 2024) at the "European Conference on Computer Vision" (ECCV 2024). Milan, Italy, September 2024.
Reference: https://sites.google.com/view/hcvworkshop2024

Session Chair - for the international conference "33rd International Joint Conference on Artificial Intelligence" (IJCAI 2024) – session "CV: Biometrics, face, gesture and pose recognition". Jeju, South Korea, August 2024.
Reference: https://ijcai24.org/

2023
Tutorial Organizer - "Remote Physiological Sensing: State of the Art and Applications" at the "International Conference on Image Analysis and Processing" (ICIAP 2023). Udine, Italy, September 2023.
Reference: https://sites.google.com/view/iciap2023tutorial-rps

Area Chair - of the international conference "31st ACM International Conference on Multimedia" (ACMMM 2023). Ottawa, Canada, October 2023.
Reference: https://www.acmmm2023.org/

Organizer and Workshop Chair - of the international workshop "Advances in Gaze Analysis, Visual attention and Eye-gaze modelling" (AGAVE 2023) at the "International Conference on Image Analysis and Processing" (ICIAP 2023). Udine, Italy, September 2023.
Reference: https://sites.google.com/view/agave2023

Organizer and Workshop Chair - of the international workshop "3rd Automatic Affect Analysis and Synthesis Workshop" (3AS 2023) at the "International Conference on Image Analysis and Processing" (ICIAP 2023). Udine, Italy, September 2023.
Reference: https://sites.google.com/unimib.it/3asiciap2023

Student Project Chair

2023
Student Project Chair - for the ELLIS (European Laboratory for Learning and Intelligent Systems) Summer School on Large-Scale AI for Research and Industry. Modena, Italy, September 2023.
Reference: https://www.ellis.unimore.it/summer-school/

Technical Program Committee Member

2025

IJCAI 2025 - 34th International Joint Conference on Artificial Intelligence	Montreal, CA
WACV 2025 - IEEE/CVF Winter Conference on Applications of Computer Vision	Tucson, AZ

2024

SAC 2024 - 39th ACM Symposium on Applied Computing	Avila, ES

2023

DFAD 2023 - Workshop on DeepFake Analysis and Detection (at ICCV 2023)	Paris, FR
ICIAP 2023 - 22nd International Conference on Image Analysis and Processing	Udine, IT
SAC 2023 - 38th ACM Symposium on Applied Computing	Tallinn, EE

2022

SAC 2022 - 37th ACM Symposium on Applied Computing	Brno, CZ
SCDM 2022 - 5th International Conference on Soft Computing and Data Mining	Virtual
AIHA 2022 - Workshop on Artificial Intelligence for Healthcare Applications (at ICPR 2022)	Montreal, CA
ICPR 2022 - 26th International Conference on Pattern Recognition	Montreal, CA

2020

ICPR 2020 - 25th International Conference on Pattern Recognition	Milan, IT
CARE 2020 - Workshop on Pattern Recognition for Positive Technology (at ICPR 2020)	Milan, IT
AIHA 2020 - Workshop on Artificial Intelligence for Healthcare Applications (at ICPR 2020)	Milan, IT
SAC 2020 - 35th ACM Symposium on Applied Computing	Virtual
SCDM 2020 - 4th International Conference on Soft Computing and Data Mining	Melaka, MY

2019

Datamod 2019 - 8th Symposium From Data to Models and Back (at FM 2019)	Porto, PT
ICIAP 2019 - 20th International Conference on Image Analysis and Processing	Trento, IT

Journal Service Activities

Editorial Board Member

Associate Editor - of the journal "Applied Intelligence" (Springer Nature).
International peer-reviewed journal in the field "Computer Science > Artificial Intelligence".
From 2024 to present.
Reference: https://link.springer.com/journal/10489/editorial-board

Guest Editor - of the Special Issue "Remote Physiological Measurement: Novel algorithms and application areas" in the journal "Biomedical Signal Processing and Control" (Elsevier).
International peer-reviewed Q1 journal (Scimago 2023) in the field "Computer Science > Signal Processing".
From 2023 to 2024.
Reference: https://www.sciencedirect.com/special-issue/10KF5VGF0XW

Member of the Editorial Board with role of Review Editor - for the journal "Frontiers in Robotics and AI" (Frontiers Media) in the section "Robot Vision and Artificial Perception".
International peer-reviewed journal in the fields "Computer Science > Artificial Intelligence" and "Computer Science Applications".

From 2023 to present.
Reference: https://www.frontiersin.org/journals/robotics-and-ai/editors

Member of the Editorial Board with role of Review Editor - for the journal "Frontiers in Neuroscience" (Frontiers Media) in the section "Neuroprosthetics".
International peer-reviewed journal in the field "Neuroscience".
From 2023 to present.
Reference: https://www.frontiersin.org/journals/neuroscience/editors

Member of the Topical Advisory Panel - of the journal "Journal of Imaging" (MDPI).
International peer-reviewed journal in the field "Computer Science > Computer Vision and Pattern Recognition".
From 2021 to present.
Reference: https://www.mdpi.com/journal/jimaging/topical_advisory_panel?search=cuculo

Reviewer

IEEE - Transactions on Neural Networks and Learning Systems
IEEE - Open Journal of Signal Processing
IEEE - Transactions on Multimedia
IEEE - Transactions on Systems, Man and Cybernetics
IEEE - Access
IEEE - Transactions on Emerging Topics in Computing
Springer Nature - Applied Intelligence
Springer Nature - The Visual Computer
Nature - Scientific Reports
ACM - Communications of the ACM
Wiley & Sons - Computer Graphics Forum
PeerJ - Computer Science
PLOS - ONE
EAI - Endorsed Transactions
IET - Electronic Letters
MDPI - Information
MDPI - Electronics
MDPI - Sensors
MDPI - Applied Sciences
MDPI - Journal of Imaging

Other Service Activities

2024 - present   **Co-supervisor of the PhD project "Automatic Cataplexy Detection through Video Analysis"**
PhD program in ICT, XL cycle, University of Modena and Reggio Emilia.
Reference: https://www.ict.unimore.it/ResearchTopics.asp?Cycle=40

2024 - present   **Member of the Teaching Board of the PhD program in ICT (International Doctorate in Information and Co**
University of Modena and Reggio Emilia.
Reference: https://www.ict.unimore.it/Organization.asp

2024 - present   **Evaluator for PhD Program**
Evaluator for the selection of the PhD program at ELLIS - European Laboratory for Learning and Intelligent Systems.
Reference: https://ellis.eu/phd-postdoc.

2019 - 2020   **Postdoctoral Researcher Representative**
Representative in the Department Council at the Department of Computer Science, University of Milan.

Awards and Recognitions

2025   **Outstanding Reviewer**
Nominated Outstanding Reviewer of WACV 2025 conference.

2024   **Outstanding Area Chair**
Nominated Outstanding Area Chair of ACM Multimedia 2024 conference.

2024   **Project ARIA**
Accepted as an academic partner for Meta Reality Labs' Project ARIA research program.

2018   **NVIDIA GPU Grant**
Donation from NVIDIA of a Quadro P6000 GPU to support research activities.

2017   **Best Paper Award**
For the article *"Virtual EMG via facial video analysis"*
19th International Conference on Image Analysis and Processing (ICIAP 2017).

2015   **Honorable Mention**
For the report *"Additional sensors and multi-modal computing for assistive computer vision"*
Essay competition, International Computer Vision Summer School (ICVSS 2015).

2014   **PhD Scholarship**
For the PhD School in Mathematical Sciences
Department of Mathematics, University of Milan
funded by MIUR for the period 2014/2017.

2011   **Student Grant**
Funded by Google for open source software development
as part of the Google Summer of School program.

Participation in Research Groups

2025 - present   **ACM**
Member of the Association for Computing Machinery

2023 - present   **AImage Lab**
Member of the AImageLab laboratory
Department of Engineering, University of Modena and Reggio Emilia
Director: Prof. Rita Cucchiara.

2022 - present   **MPAI**
Member of the working group for the definition of a standard for Portable Avatar Format (MPAI-PAF).
Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI)
Ref: Eng. Leonardo Chiariglione.

2018 - present   **PHuSe Lab**
Founding member of the Perceptual computing and Human Sensing Lab
Department of Computer Science, University of Milan
Director: Prof. Giuseppe Boccignone.

2015 - present   **CVPL**
Member of the Italian Association for research in Computer Vision,
Pattern recognition and machine Learning (formerly GIRPR).

Third Mission Activities

2023 - 2024   **European Researchers' Night**
Participation as the laboratory "AI for Vision, Language, Surveillance, Human Analysis, Bioinformatics and Medical Imaging" at the San Geminiano Complex, Modena.

2022   **Researchers' Night**
Invited speaker for the event "The Technological Gaze on Migrants" organized by Naga, Milan
at the National Museum of Science and Technology "Leonardo Da Vinci", Milan.

2016   **MEET me TONIGHT - Researchers' Night**
Interactive workshop for schools at the Indro Montanelli Gardens, Milan.

2016   **Open talk**
Speaker for the event "Machine Learning between Ethics, Art and Law" at Opendot, Milan.

Technology Transfer Activities

2018 - 2019   **Emotiva Srl, Milan**
Consultancy for technology transfer and development of facial expression
and emotional state recognition software for Emotiva Srl in Milan.
Carried out as part of the activities of the PHuSe Lab, Milan.

2014 - present   **OpenDot Srl, Milan**
Founding member of OpenDot Srl registered as an innovative start-up.
Digital fabrication laboratory, research hub and open innovation.
Numerous collaborations with Politecnico di Milano and University of Milan
for thesis projects.

Patents

Mar 2023   **Patent for industrial invention**
European patent application filed for an industrial invention
for an indoor localization method, developed at dotdotdot srl.
Application number: EP23161138
Filing date: 10/03/2023
https://register.epo.org/application?number=EP23161138

Mar 2022   **Patent for industrial invention**
Holder of a national patent for industrial invention
for an indoor localization method, developed at dotdotdot srl.
Application number: 102022000004673
Filing date: 11/03/2022
Grant date: 01/03/2024

Scientific Publications

Journal Articles

[J-1]   Unveiling the Truth: Exploring Human Gaze Patterns in Fake Images
Giuseppe Cartella, Vittorio Cuculo, Marcella Cornia, and Rita Cucchiara
IEEE Signal Processing Letters (2024). IEEE, 2024

[J-2]   Enhancing rPPG Pulse-Signal Recovery by Facial Sampling and PSD Clustering
Giuliano Grossi, Giuseppe Boccignone, Donatello Conte, Vittorio Cuculo, Alessandro D'Amelio, and
Raffaella Lanzarotti
Biomedical Signal Processing and Control (2024). Elsevier, 2024

[J-3]   Predicting engagement of older people's virtual teams from video call analysis
Nicoletta Noceti, Simone Campisi, Alice Chirico, Vittorio Cuculo, Giuliano Grossi, Monica Miche-
lotto, et al.
International Journal of Human–Computer Interaction (2024). Taylor & Francis, 2024

[J-4]   Using Gaze for Behavioural Biometrics
Alessandro D'Amelio, Sabrina Patania, Sathya Bursic, Vittorio Cuculo, and Giuseppe Boccignone
Sensors 23.3 (2023) p. 1262. MDPI, 2023

[J-5]   Inferring Causal Factors of Core Affect Dynamics on Social Participation through the Lens of the Observer
Alessandro D'Amelio, Sabrina Patania, Sathya Buršić, Vittorio Cuculo, and Giuseppe Boccignone
Sensors 23.6 (2023) p. 2885. MDPI, 2023

[J-6]   pyVHR: a Python framework for remote photoplethysmography
Giuseppe Boccignone, Donatello Conte, Vittorio Cuculo, Alessandro D'Amelio, Giuliano Grossi, Raffaella Lanzarotti, and Edoardo Mortara
PeerJ Computer Science 8 (2022) e929. PeerJ Inc., 2022

[J-7]   An Open Framework for Remote-PPG Methods and their Assessment
Giuseppe Boccignone, Donatello Conte, Vittorio Cuculo, Alessandro D'Amelio, Giuliano Grossi, and Raffaella Lanzarotti
IEEE Access (2020) pp. 216083–216103. IEEE, 2020

[J-8]   On Gaze Deployment to Audio-Visual Cues of Social Interactions
Giuseppe Boccignone, Vittorio Cuculo, Alessandro D'Amelio, Giuliano Grossi, and Raffaella Lanzarotti
IEEE Access (2020) pp. 161630–161654. IEEE, 2020

[J-9]   Robust Single-Sample Face Recognition by Sparsity-Driven Sub-Dictionary Learning Using Deep Features
Vittorio Cuculo, Alessandro D'Amelio, Giuliano Grossi, Raffaella Lanzarotti, and Jianyi Lin
Sensors 19.1 (2019) p. 146. Multidisciplinary Digital Publishing Institute, 2019

[J-10]   Deep construction of an affective latent space via multimodal enactment
Giuseppe Boccignone, Donatello Conte, Vittorio Cuculo, Alessandro D'Amelio, Giuliano Grossi, and Raffaella Lanzarotti
IEEE Transactions on Cognitive and Developmental Systems (TCDS) 10.4 (2018) pp. 865–880. IEEE, 2018

Conference Proceedings

[P-1]   ECoGNet: an EEG-based Effective Connectivity Graph Neural Network for Brain Disorder Detection
Jacopo Burger, Vittorio Cuculo, Alessandro D'Amelio, Giuliano Grossi, and Raffaella Lanzarotti
Proceedings of the IEEE International Joint Conference on Neural Networks, IJCNN, 2025 **- accepted**

[P-2]   Modeling Human Gaze Behavior with Diffusion Models for Unified Scanpath Prediction
Giuseppe Cartella, Vittorio Cuculo, Alessandro D'Amelio, Marcella Cornia, Giuseppe Boccignone, and Rita Cucchiara
Proceedings of the IEEE/CVF international conference on computer vision, ICCV, 2025 **- accepted**

[P-3]   Unravelling Neurodivergent Gaze Behaviour through Visual Attention Causal Graphs
Giuseppe Cartella, Vittorio Cuculo, Alessandro D'Amelio, Rita Cucchiara, and Giuseppe Boccignone
International Conference on Image Analysis and Processing, ICIAP, 2025 **- accepted**

[P-4]   TPP-Gaze: Modelling Gaze Dynamics in Space and Time with Neural Temporal Point Processes
Alessandro D'Amelio, Giuseppe Cartella, Vittorio Cuculo, Manuele Lucchi, Marcella Cornia, Rita Cucchiara, and Giuseppe Boccignone
Proceedings of the IEEE/CVF Winter Conference on Applications of Computer Vision, WACV, 2025

[P-5]   Decoding Facial Expressions in Video: A Multiple Instance Learning Perspective on Action Units
Livia Del Gaudio, Vittorio Cuculo, and Rita Cucchiara
International Conference on Image Analysis and Processing, ICIAP Workshops, 2025 **- accepted**

[P-6]   Trends, Applications, and Challenges in Human Attention Modelling
Giuseppe Cartella, Marcella Cornia, Vittorio Cuculo, Alessandro D'Amelio, Dario Zanca, Giuseppe Boccignone, and Rita Cucchiara
Proceedings of the Thirty-Third International Joint Conference on Artificial Intelligence, IJCAI, 2024 **- Survey Track**

[P-7]   Pixels of Faith: Exploiting Visual Saliency to Detect Religious Image Manipulation
Giuseppe Cartella, Vittorio Cuculo, Marcella Cornia, Marco Papasidero, Federico Ruozzi, and Rita Cucchiara
Proceedings of the European Conference on Computer Vision Workshops, ECCV, 2024

[P-8]   On using rPPG signals for DeepFake detection: a cautionary note
Alessandro D'Amelio, Raffaella Lanzarotti, Sabrina Patania, Giuliano Grossi, Vittorio Cuculo, Andrea Valota, and Giuseppe Boccignone
International Conference on Image Analysis and Processing, ICIAP 2023, 2023, Springer

[P-9]   Pain and Fear in the Eyes: Gaze Dynamics Predicts Social Anxiety from Fear Generalisation
Sabrina Patania, Alessandro D'Amelio, Vittorio Cuculo, Matteo Limoncini, Marco Ghezzi, Vincenzo Conversano, and Giuseppe Boccignone
International Conference on Image Analysis and Processing, ICIAP Workshops, 2023, Springer

[P-10]   DeepFakes Have No Heart: A Simple rPPG-Based Method to Reveal Fake Videos
Giuseppe Boccignone, Sathya Bursic, Vittorio Cuculo, Alessandro D'Amelio, Giuliano Grossi, Raffaella Lanzarotti, and Sabrina Patania
International Conference on Image Analysis and Processing, ICIAP, 2022, Springer

[P-11]   How to Look Next? A Data-Driven Approach for Scanpath Prediction
Giuseppe Boccignone, Vittorio Cuculo, and Alessandro D'Amelio
Formal Methods. FM International Workshops, 2020

[P-12]   Anomaly Detection from Log Files Using Unsupervised Deep Learning
Sathya Bursic, Vittorio Cuculo, and Alessandro D'Amelio
Formal Methods. FM International Workshops, 2020

[P-13]   Gender Recognition in the Wild with Small Sample Size-A Dictionary Learning Approach
Alessandro D'Amelio, Vittorio Cuculo, and Sathya Bursic
Formal Methods. FM International Workshops, 2020

[P-14]   Social traits from stochastic paths in the core affect space
Giuseppe Boccignone, Vittorio Cuculo, Alessandro D'Amelio, and Raffaella Lanzarotti
Proceedings of the 13th EAI International Conference on Pervasive Computing Technologies for Healthcare, 2019, ACM

[P-15]   Problems with saliency maps
Giuseppe Boccignone, Vittorio Cuculo, and Alessandro D'Amelio
International Conference on Image Analysis and Processing, ICIAP, 2019, Springer

[P-16]   OpenFACS: an open source FACS-based 3D face animation system
Vittorio Cuculo and Alessandro D'Amelio
International Conference on Image and Graphics, ICIG, 2019, Springer

[P-17]   Worldly Eyes on Video: Learnt vs. Reactive Deployment of Attention to Dynamic Stimuli
Vittorio Cuculo, Alessandro D'Amelio, Giuliano Grossi, and Raffaella Lanzarotti
International Conference on Image Analysis and Processing, ICIAP, 2019, Springer

[P-18]   Predictive sampling of facial expression dynamics driven by a latent action space
Giuseppe Boccignone, Matteo Bodini, Vittorio Cuculo, and Giuliano Grossi
2018 14th International Conference on Signal-Image Technology & Internet-Based Systems, SITIS, 2018, IEEE

[P-19]   Give Ear to My Face: Modelling Multimodal Attention to Social Interactions
Giuseppe Boccignone, Vittorio Cuculo, Alessandro D'Amelio, Giuliano Grossi, and Raffaella Lanzarotti
Proceedings of the European Conference on Computer Vision Workshops, ECCV, 2018, Springer

[P-20]   Personality gaze patterns unveiled via automatic relevance determination
Vittorio Cuculo, Alessandro D'Amelio, Raffaella Lanzarotti, and Giuseppe Boccignone
Federation of International Conferences on Software Technologies: Applications and Foundations, 2018, Springer

[P-21] AMHUSE: a multimodal dataset for HUmour SEnsing
Giuseppe Boccignone, Donatello Conte, Vittorio Cuculo, and Raffaella Lanzarotti
Proceedings of the 19th ACM International Conference on Multimodal Interaction, ICMI, 2017, ACM

[P-22] Virtual EMG via facial video analysis
Giuseppe Boccignone, Vittorio Cuculo, Giuliano Grossi, Raffaella Lanzarotti, and Raffaella Migliaccio
International Conference on Image Analysis and Processing, ICIAP, 2017, Springer **- Best Paper Award**

[P-23] Taking the hidden route: deep mapping of affect via 3D neural networks
Claudio Ceruti, Vittorio Cuculo, Alessandro D'Amelio, Giuliano Grossi, and Raffaella Lanzarotti
International Conference on Image Analysis and Processing, ICIAP, 2017, Springer

[P-24] A note on modelling a somatic motor space for affective facial expressions
Alessandro D'Amelio, Vittorio Cuculo, Giuliano Grossi, Raffaella Lanzarotti, and Jianyi Lin
International Conference on Image Analysis and Processing, ICIAP, 2017, Springer

[P-25] The color of smiling: computational synaesthesia of facial expressions
Vittorio Cuculo, Raffaella Lanzarotti, and Giuseppe Boccignone
International Conference on Image Analysis and Processing, ICIAP, 2015, Springer

[P-26] Using sparse coding for landmark localization in facial expressions
Vittorio Cuculo, Raffaella Lanzarotti, and Giuseppe Boccignone
2014 5th European Workshop on Visual Information Processing, EUVIP, 2014, IEEE

Updated on July 12, 2025