

INFORMAZIONI PERSONALI



Filippo Luigi Maria Milotta

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Genere Maschile | Data di nascita ##### | Nazionalità Italiana

POSIZIONE RICOPERTA

Dottorando in Matematica e Informatica

ISTRUZIONE E FORMAZIONE

2014 - oggi

Dottorando in Matematica e Informatica (Ciclo XXX)

EQF:8

Università di Catania – Finanziata da TIM Telecom Italia, Joint Open Lab WAVE (Wireless Applications in multi-deVice Ecosystems).

- Argomento di ricerca: “**Multi-device media analysis and summarization for high bandwidth connected environments**”
- Supervisor: Prof. Sebastiano Battiato, Università di Catania
- Co-supervisor: Prof. Filippo Stanco, Università di Catania

2/2017 – 8/2017

Ricercatore in Visiting

Center for Virtualization and Applied Spatial Technologies (CVAST)
University of South Florida – USF, Tampa, Florida, USA

2013 - 2014

Laurea Magistrale in Informatica (LM18), summa cum laude

EQF:7

Università di Catania – Dipartimento di Matematica e Informatica

- All exams passed with 30/30 rate and 10/11 laudes
- Thesis: “Depth-map based obstacle detection for visually impaired”

2009 - 2012

Bachelor Degree in Computer Science (L31), summa cum laude

EQF:6

Università di Catania – Dipartimento di Matematica e Informatica

- Thesis: “Detection and correction techniques concerning magnetic tapes artefacts”

DIDATTICA

a.a. 2014/15, 2016/17

Multimedia

Università di Catania, Dipartimento di Matematica e Informatica (*Studenti Magistrale*)

- Modulo su “Video media e Stima del movimento” (18 ore).

a.a. 2014/15

Computer Vision

Università di Catania, Dipartimento di Matematica e Informatica (*Studenti Magistrale*)

- Modulo su “Geometria Epipolare e Stereoscopia” (6 ore);
- Seminario su “Tecnologia di Scansione 3D”.

a.a. 2016/17

Pattern Recognition

Università di Catania, Dipartimento di Matematica e Informatica (*Studenti Magistrale*)

- Seminario su “k-nn clustering”;
- Seminario su “Reti Bayesiane: d-separazione e applicazioni”.

a.a. 2015/16

Interazione e Multimedia

Università di Catania, Dipartimento di Matematica e Informatica (*Studenti Triennale*)

- Modulo "Formati per le immagini: definizioni e specifiche".

a.a. 2015/16

Sviluppo Giochi Digitali

Università di Catania, Dipartimento di Matematica e Informatica (*Studenti Triennale*)

- Modulo "Curva di apprendimento e User experience".

TUTORATO DI STUDENTI

5. Michele Bellocchi, "Design and development of new features and applications for The Social Picture Framework", Università di Catania, Dipartimento di Matematica e Informatica, Tesi Magistrale in Informatica (co-supervisor). 2017
4. Mirko R. Aiello, "Photogrammetry and applications: 3DCSI, a software for exploration, marking and automatic report of crime scenes", Università di Catania, Dipartimento di Matematica e Informatica, Tesi Magistrale in Informatica (co-supervisor). 2017
3. Islam Seddek, "Digital Documentation and Preservation of Antique Books" Università di Catania, Dipartimento di Matematica e Informatica, e Cairo University, Tesi per il Master In Conservation Of Antique Photographs And Paper Heritage (co-supervisor). 2017
2. Giuseppe Leotta, "Watermarking algorithms for authenticity and integrity of digital media and copyright protection", Università di Catania, Dipartimento di Matematica e Informatica, Tesi Magistrale in Informatica (co-supervisor). 2016
1. Alessandro Nicolosi, "3D Viewer of Morgantina Silver Treasure", Università di Catania, Dipartimento di Matematica e Informatica, Tesi Triennale in Informatica (co-supervisor). 2015

ESPERIENZA LAVORATIVA

14/4/2014 – 13/7/2014

Stage

EuroMECC S.R.L. – Via S.S. 192, Km 79, Misterbianco (CT)

- Content Web Manager e Web Designer
 - Programmatore
- Settore** Information Technology

10/2011 – 1/2012

Stage

Fondazione Museo Diocesano di Catania – Image Processing Laboratory (IPLab)

- Scansione 3D e digitalizzazione di antichi reperti e fotografie
 - Post-processing dei dati digitalizzati (miglioramento e restauro digitale)
- Settore** Elaborazione delle Immagini, Digitalizzazione dei Beni Culturali

COMPETENZE PERSONALI

Lingua Madre

Italian

Altre Lingue

English

COMPRESIONE		PARLATO		SCRITTURA
Ascolto	Lettura	Interazione	Produzione Orale	
B2	C1	B2	B1	B1

Esame sostenuto durante la Laurea Triennale in Informatica (L31), Università di Catania, 27/6/2011 (Level B1)

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Competenze Comunicative

- Buone competenze di collaborazione maturate lavorando in team multietnici durante il tirocinio presso l'azienda Euromecc e il periodo di visiting negli Stati Uniti.
- Buone competenze di comunicazione maturate anche durante l'organizzazione di diverse scuole estive internazionali.

PUBBLICAZIONI

Capitoli di Libro

- B03** – Milotta F.L.M. in press, *Virtual Restoration Techniques of Antique Photographs*, in M.F. Ali, E. Ciliberto, M. Ali (eds.), *Photographic Conservation*. (co-authored with F. Stanco, G. Ramponi, S. Carrato, D. Allegra)
- B02** – Milotta F.L.M. 2015, *Hand Held 3D Scanning for Cultural Heritage: Experimenting Low Cost Structure Sensor Scan*. In: *Handbook of Research on Emerging Technologies for Architectural and Archaeological Heritage*. IGI Global, 2017. p. 475-499. (co-authored with D. Allegra, G. Gallo, L. Inzerillo, M. Lombardo, C. Santagati, F. Stanco)
- B01** – Milotta F.L.M. 2015, *Un approccio multidisciplinare per lo studio di un Tesoro unico al mondo. Gli argenti della casa di Eupolemo a Morgantina*, in L. Maniscalco (eds.), *Morgantina duemilaquindici. La ricerca archeologica a sessant'anni dall'avvio degli scavi*. (co-authored with F. Stanco, G. Ramponi, S. Carrato, D. Allegra)

Articoli su Rivista

- J03** – Milotta, F.L.M. 2017, *Virtual anastylosis of Greek sculpture as museum policy for public outreach and cognitive accessibility*. *Journal of Electronic Imaging*, 2017, 26.1: 011025-011025. (co-authored with F. Stanco, D. Tanasi, D. Allegra, G. Lamagna, G. Monterosso)
- J02** – Milotta F.L.M. 2017, *Integrated three-dimensional models for noninvasive monitoring and valorization of the Morgantina silver treasure (Sicily)*. *Journal of Electronic Imaging*, 2017, 26.1: 011015-011015. (co-authored with M.F. Alberghina, F. Alberghina, D. Allegra, F. Di Paola, L. Maniscalco, G. Milazzo, L. Pellegrino, S. Schiavone, F. Stanco)
- J01** – Milotta F.L.M. 2016, *Tracking error in digitized analog video: automatic detection and correction*. *Multimedia Tools and Applications*, 2016, 75.7: 3733-3746. (co-authored with F. Stanco, D. Allegra)

Articoli in Atti di Conferenza

- C14** – Milotta F.L.M. 2017, *The Social Picture: Advanced Image Analysis Applications*, in proceedings of *Smart Tools and Applications in Graphics (STAG)*, 2017. (co-authored with M. Bellocchi, S. Battiato)
- C13** – Milotta F.L.M. 2017, *A digital approach for the study of Roman signacula from Syracuse, Sicily*, in proceedings of *Smart Tools and Applications in Graphics (STAG)*, 2017. (co-authored with D. Tanasi, I. Gradante, F. Stanco, H. Kaplan)
- C12** – Milotta F.L.M. 2017, *ARCA (Automatic Recognition of Color for Archaeology): a Desktop Application for Munsell Estimation*, in proceedings of the 19th International Conference on Image Analysis and Processing (ICIAP), 2017. (co-authored with F. Stanco, D. Tanasi)
- C11** – Milotta F.L.M. 2017, *Description of Breast Morphology through Bag of Normals Representation*, in proceedings of the 19th International Conference on Image Analysis and Processing (ICIAP), 2017. (co-authored with D. Allegra, D. Sinitò, F. Stanco, G. Gallo, W. Taher, G. Catanuto)
- C10** – Milotta F.L.M. 2017, *Organizing Videos Streams for Clustering and Estimation of Popular Scenes*, in proceedings of the 19th International Conference on Image Analysis and Processing (ICIAP), 2017. (co-authored with S. Battiato, G.M. Farinella, A. Ortis, F. Stanco, V. D'Amico, L. Adesso, G. Torrisi)
- C09** – Milotta F.L.M. 2016, *3D Digital Imaging for Knowledge Dissemination of Greek Archaic Statuary*, in G. Pintore, F. Stanco (eds), *STAG: Smart Tools and Apps in computer Graphics*, Eurographics Proceedings, Genova 3-4 October 2016, The Eurographics Association, pp. 133-141 (co-authored with F. Stanco, D. Allegra, D. Tanasi)
- C08** – Milotta F.L.M. 2016, *Low cost handheld 3D scanning for architectural elements acquisition*, in G. Pintore, F. Stanco (eds), *STAG: Smart Tools and Apps in computer Graphics*, Eurographics Proceedings, Genova 3-4 October 2016, The Eurographics Association, pp. 127-131. (co-authored with D. Allegra, G. Gallo, L. Inzerillo, M. Lombardo, C. Santagati, F. Stanco)
- C07** – Milotta F.L.M. 2016, *Breast Shape Parametrization Through Planar Projections*. In: *International Conference on Advanced Concepts for Intelligent Vision Systems*. Springer International Publishing, 2016. p. 135-146. (co-authored with D. Allegra, G. Catanuto, G. Gallo, Y. Gholizade Atani, F. Stanco)
- C06** – Milotta F.L.M. 2016, *The Social Picture*. In: *Proceedings of the 2016 ACM on International Conference on Multimedia Retrieval*. ACM, 2016. p. 397-400. (co-authored with S. Battiato, G.M. Farinella, A. Ortis, L. Adesso, A. Casella, V. D'Amico, G. Torrisi)
- C05** – Milotta, F.L.M. 2016, *RECFusion: Automatic Scene Clustering and Tracking in Videos from Multiple Sources*. *Electronic Imaging*, 2016, 2016.7: 1-6. (co-authored with S. Battiato, F. Stanco, V. D'Amico, G. Torrisi, L. Adesso)

- C04** – Milotta F.L.M. 2015, *Archaeometric characterization and 3D survey: new perspectives for monitoring and valorisation of Morgantina silver Treasure (Sicily)*. In: In Proceedings of 1st International Conference on Metrology for Archaeology. 2015. (co-authored with M.F. Alberghina, F. Alberghina, D. Allegra, F. Di Paola, L. Maniscalco, S. Schiavone, F. Stanco)
- C03** – Milotta F.L.M. 2015, *Virtual unrolling using X-ray computed tomography*. In: Signal Processing Conference (EUSIPCO), 2015 23rd European. Institute of Electrical and Electronic Engineers (IEEE), 2015. p. 2864-2868. (co-authored with D. Allegra, E. Ciliberto, P. Ciliberto, G. Petrillo, F. Stanco, C. Trombatore)
- C02** – Milotta F.L.M. 2015, *An electronic travel aid to assist blind and visually impaired people to avoid obstacles*. In: International Conference on Computer Analysis of Images and Patterns. Springer International Publishing, 2015. p. 604-615. (co-authored with D. Allegra, F. Stanco, G.M. Farinella)
- C01** – Milotta F.L.M. 2013, *Detection and correction of Mistracking in digitalized analog video*. In: International Conference on Image Analysis and Processing. Springer Berlin Heidelberg, 2013. p. 218-227. (co-authored with F. Stanco, D. Allegra)

- Brevetti** **P01** – Milotta F.L.M. 2017, (provisional) Automatic Digital Method for Classification of Colors in Munsell Color System, which was filed with the United States Patent and Trademark Office on April 19, 2017, and assigned Serial No. 62/487,178.(co-authored with F. Stanco, D. Tanasi)

- Scuole estive**
- IEEE – Eurasip Summer School on Signal Processing (S3P – 2016): “Semantics in Media”. 4/9/2016 – 10/9/2016.
 - Medical Imaging Summer School (MISS '16): “Medical Imaging meets Machine Learning”. 31/7/2016 – 6/8/2016 (attended as student and staff member)
 - International Computer Vision Summer School (ICVSS '16): “Computer Vision: What Happens Next?”. 17/7/2016 – 23/7/2016 (attended as student and staff member)
 - International Computer Vision Summer School (ICVSS '15): “Learning to see”. 12/7/2015 – 18/7/2015 (attended as student and staff member)
 - Medical Imaging Summer School (MISS '14): “Medical Imaging meets Computer Vision”. 28/7/2014 – 1/8/2014 (attended as student and staff member)
 - International Computer Vision Summer School (ICVSS '14): “From Fundamentals to Applications”. 13/7/2014 – 19/7/2014 (attended as student and staff member)
 - International Computer Vision Summer School (ICVSS '12): “3R's of Computer Vision: Recognition, Registration, Reconstruction”. 15/7/2012 – 21/7/2012 (attended as student and staff member)

- Appartenenza a gruppi**
- Dottorando membro di IPLab (Image Processing Laboratory), Università di Catania.
Link: <http://iplab.dmi.unict.it/>
 - Dottorando membro di TIM JOL WAVE (Joint Open Lab Wireless Applications in multi-deVice Ecosystems)
 - Membro di Computer Applications & Quantitative Methods in Archaeology (CAA)
 - IEEE Signal Processing Society Membership, numero membro: 93903598

- Competenze Digitali**
- Padronanza programmazione SQL
 - Padronanza programmazione JAVA
 - Padronanza programmazione MATLAB
 - Padronanza tecniche di Scansione 3D e Digitalizzazione nei Beni Culturali e in ambito Medico
 - Buona programmazione C, C++ e C#

Documentazione Aggiuntiva

- Machine Learning by Stanford University on Coursera. Certificato ottenuto il 28/05/2016
Link: <https://www.coursera.org/account/accomplishments/records/GNEECHXFUD5W>
- Biomedical Investigators and Key Personnel, CITI Program, ottenuto il 1/10/2017
Link: <https://www.citiprogram.org/verify/?w2bf2c6fe-4601-4e79-94a7-fb21f7ef962b-24454552>

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