

PERSONAL INFORMATION **Alessio Mecca**

WORK EXPERIENCE

- 2009 – Present **Referee and Match Director of FID (Italian Federation of Draughts)**
Tournament and championship management at national level. Support referee in world championship tournaments.

WORK EXPERIENCE AS
TEACHER

- Feb 2020 – Present **Information Technology class for CORIS Dept. at Sapienza University of Rome.**
Frontal lessons for undergrads students.
- Mar 2019 – Apr 2019 **Java classes for the YTiA project**
Teaching material production, frontal lessons and laboratory classes for post-high school degree students in Java for the project "Young Talent in Action", in collaboration with Tree company.
- Oct 2018 – Dec 2018 **Java classes for a Master in Cyber Security**
Teaching material production, frontal lessons and laboratory classes for a Master in Cyber Security in collaboration with ITHUM academy, CY4GATE and Luiss University
- June 2018 – Nov 2018 **Lessons on "How to teach Information Science and Robotics in Primary and Secondary schools"**
Teaching material production, frontal lessons for the 2° edition of the project "In estate si insegnano le STEM", promoted by the Italian "Ministero delle Pari Opportunità" in collaboration with Sapienza University of Rome. NOTE: The lessons were aimed at primary and secondary school teachers.
- June 2017 – January 2018 **Primary and Secondary school class in Information Science and Robotics**
Teaching material production, frontal lessons for the project "In estate si insegnano le STEM" promoted by the Italian "Ministero delle Pari Opportunità" in collaboration with Sapienza University of Rome.
- Mar 2017 – Sept 2017 **Laboratory (3cfu) and practise class**
Teaching material production, frontal lessons for "Architetture 2" class for "Laurea in Informatica" at Sapienza University of Rome.
- Nov 2016 – Nov 2017 **Laboratory (3cfu) and examination class**
Teaching material production, frontal lessons and examination for Information Science class for "Laurea in Statistica Economia Finanza e Assicurazioni, SEFA (A.A. 2016-2017)" at Sapienza University of Rome.
- 2008 – Present **Individual/Group trainer for Scientific Subjects**
High School Level training in Physics, Math, Information Science, Statistics.
University Level training in Information Science

EDUCATION AND TRAINING

- 2019–Current **Post Doc in Computer Science**
 Università degli Studi di Udine, Udine
 Working jointly with VisionLab at Sapienza University of Rome

- 2015–2019 **Ph.D. in Computer Science**
 Sapienza University of Rome, Rome
 Thesis Title: "Biometric Walk Recognizer - Research and results on wearable sensor-based gait recognition"
 – High-level knowledge of Biometric Recognition especially focused on Gait Recognition
 – High-Level knowledge of Signal Processing, Manipulation and Comparison Strategies.

- 2013–2015 **Master degree in Computer Science**
 Sapienza University of Rome, Rome
 – Biometric Recognition
 – HCI and Multimodal Interaction
 – Advanced Programming
 – Multimedia

- 2011–2013 **Bachelor degree in Computer Science**
 Sapienza University of Rome, Rome
 – Programming Languages
 – Databases
 – Algorithms

- 2007–2011 **Diploma of "Perito Informatico"**
 I.T.I.S. G. Marconi, Latina

PERSONAL SKILLS

Mother tongue Italian

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	B2	C1

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
[Common European Framework of Reference for Languages](http://www.cedefop.europa.eu/en/faq/35308)

- Communication skills**

 - Teamwork: I have worked in various types of teams from research teams to draught tournament/championship organization teams.
 - Supervising skills: I have worked as a thesis co-supervisor of many students in Computer Science degree at Sapienza.

- Computer skills**

 - High-level skills in Java programming
 - High knowledge of Microsoft Office Tools
 - Good knowledge of vector graphics programs (Corel Draw / Adobe Illustrator)
 - Good knowledge of programming languages (C, C++, Python, Assembly) and fast learning of new ones.

- Other skills**

 - Good organization and management skills
 - High attitude in teaching. This also includes the production of teaching material.
 - Love to travel and experience different cultures.

Driving licence B

ADDITIONAL INFORMATION

Publications

- De Marsico, M. & Mecca, A. (2015, September) Biometric Walk Recognizer. *In International Workshop on Recent Advances in Digital Security: Biometrics and Forensics (Biofor 2015)*, as part of the 18th International Conference on Image Analysis and Processing (ICIAP 2015)
- Kanev, K., De Marsico, M., Bottoni, P., & Mecca, A. (2016, June). Mobiles and Wearables: Owner Biometrics and Authentication. *In Proceedings of the International Working Conference on Advanced Visual Interfaces* (pp. 318-319). ACM.
- De Marsico, M., De Pasquale, D. & Mecca, A. (2016, September). Embedded Accelerometer Signal Normalization for Cross-Device Gait Recognition. *In International Conference of the Biometrics Special Interest Group (BIOSIG)* (pp. 1-5). doi=10.1109/BIOSIG.2016.7736920
- De Marsico, M. & Mecca, A. (2016). Biometric Walk Recognizer - Gait recognition by a single smartphone accelerometer. *In Multimedia Tools and Applications* (pp. 1-33). Springer. doi=10.1007/s11042-016-3654-1
- Book Chapter: "Gait Recognition: The Wearable Solution" in *HUMAN RECOGNITION IN UNCONSTRAINED ENVIRONMENTS*. Elsevier. Academic Press.
- De Marsico M., Fartade E. & Mecca A. (2018). Feature-based Analysis of Gait Signals for Biometric Recognition - Automatic Extraction and Selection of Features from Accelerometer Signals. *In Proceedings of the 7th International Conference on Pattern Recognition Applications and Methods - Volume 1: ICPRAM*, ISBN 978-989-758-276-9, pages 630-637. DOI: 10.5220/0006719106300637
- Castiglione, A., Choo, K.-K. R., De Marsico, M. & Mecca, A. (2018, August). Walking on the Cloud - Gait Recognition, a Wearable Solution. *In International Conference on Network and System Security (NSS2018) conference*.
- De Marsico, M. & Mecca, A. (2018, September). Benefits of Gaussian Convolution in Gait Recognition. *In International Conference of the Biometrics Special Interest Group (BIOSIG2018)*.
- Mecca, A. (2018). Impact of gait stabilization: a study on how to exploit it for user recognition, *in SITIS 2018 - International Conference on Signal Image Technology and Internet Based Systems*, IEEE, in-press, 2018.
- De Marsico, M. & Mecca, A. (2019). A Survey on Gait Recognition via Wearable Sensors. *ACM Computing Surveys*, volume 52 (pp. 86:1–86:39), DOI: 10.1145/3340293

Other research activities

- I was one of the session chair for ICPRAM 2018 conference
- I was member of the editorial board for the SITIS 2018 conference

Grant

- Research Scholarship for project "PARTECIPATE" of Department of "Scienze dell'Antichità" (2016-2017).
- Research Scholarship the project PRIN COSMOS (2017-2018)
- Research Scholarship from Università degli Studi di Udine (2019-2020)

Award

- 3° Rank at Best Paper Ph.D. Contest at VISMAL2016 with the poster "Biometric Walk Recognizer"
- 3° Rank at "Hackathon Italia Cerveteri", 25-26/06/2016, for the project "3D Archeo Trip – Viaggiando nella Storia"

Personal Data

I allow the use and processing of my personal data according to the Dlgs 196/2003 concerning the handling of personal data.