



Flavia Monti

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EDUCATION AND TRAINING

[2014 – 2018] **Bachelor's Degree in Engineering in Computer Science and Automation**

Sapienza Università di Roma

Address: Roma

[2018 – 2021] **Master's Degree in Engineering in Computer Science**

Sapienza Università di Roma

Address: Roma

Thesis: Vision based real-time die cutting defect detection

Main subject / occupational skills covered:

The aim of the thesis is the implementation of a vision based software able to monitor in real-time the cardboard production and to identify its errors.

[07/2022] **Summer School On Service-Oriented Computing**

Address: Hersonissos

[2021 – Current] **Ph.D. in Engineering in Computer Science**

Sapienza Università di Roma

Address: Roma

Main subject / occupational skills covered:

Smart Manufacturing. In particular the application of innovative technologies, such as digital twin, computer vision and artificial intelligence, with the goal of improving production quality, reduce costs, increase machinery uptime, analyze failures and defects towards zero defect manufacturing.

WORK EXPERIENCE

[2021] **Software Engineer**

Sapienza Università di Roma

Main activities and responsibilities:

Development of an image processing prototype for Industry 4.0.

[2021 – 2022] **Teaching Assistant**

Sapienza Università di Roma

Main activities and responsibilities:

Progettazione del Software

OTHER ACTIVITIES

[06/2022] **Tutorial**

Engineering Information Systems in Smart Manufacturing, Francesco Leotta, Massimo Mecella, [Flavia Monti](#), 34th International Conference on Advanced Information Systems Engineering, CAiSE 2022, Leuven, Belgium

[06/2022] **Panelist**

AI, AR and governance in manufacturing and I4.0/I5.0, Geert Poels, Andrei Bertic, Raimundas Matulevičius, [Flavia Monti](#), Erik Proper, 34th International Conference on Advanced Information Systems Engineering, CAiSE 2022, Leuven, Belgium

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

DIGITAL SKILLS

My Digital Skills

Programming languages

C | Java | Python | HTML | SQL

Libraries

OpenCV

Operating systems

Windows | Linux | Android

Programs

Microsoft Office | LaTeX | Git

PUBLICATIONS

[2021]

Unsupervised Segmentation of Human Habits in Smart Home Logs through Process Discovery

Unsupervised Segmentation of Human Habits in Smart Home Logs through Process Discovery, L. Esposito, S. Veneruso, F. Leotta, [F. Monti](#), J. G. Mathew, and M. Mecella, ITBPM@BPM 2021: 56-61.

[2022]

Supporting Zero Defect Manufacturing Through Cloud Computing and Data Analytics: the Case Study of Electrospindle 4.0

Supporting Zero Defect Manufacturing Through Cloud Computing and Data Analytics: the Case Study of Electrospindle 4.0, F. Leotta, J. G. Mathew, M. Mecella and F. Monti, International Conference on Advanced Information Systems Engineering 2022: 119-125.

[2022] **Electrospindle 4.0: Towards Zero Defect Manufacturing of Spindles**

Electrospindle 4.0: Towards Zero Defect Manufacturing of Spindles, F. Amadori, M. Bardani, E. Bernasconi, F. Cappelletti, T. Catarci, Drudi G., M. Ferretti, L. Foschini, P. Galli, M. Germani, G. Grosso, F. Leotta, J. G. Mathew, L. Manguerra, N. Mariucci, M. Mecella, F. Monti, F. Pierini and M. Rossi, RCIS Workshops 2022.

Dichiaro che le informazioni riportate nel presente Curriculum Vitae sono esatte e veritiere. Autorizzo il trattamento dei miei dati personali presenti nel cv ai sensi dell'art. 13 del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali" e dell'art. 13 del GDPR (Regolamento UE 2016/679).

23/09/2022