



Name

MARCO MARTIGNON

WORKING EXPERIENCES

- Date (from – to)
- Employer
- Company
- Role and profile

2005 – NOW – Modena, Italy
Azienda USL MODENA
PUBLIC HEALTH SERVICE
CLINICAL ENGINEER MANAGER

- Main Tasks

CLINICAL ENGINEER MANAGER IN MEDICAL IMAGING, NUCLEAR MEDICINE, RADIOTHERAPY AND HOSPITAL MEDICAL DEVICE APPLICATION SOFTWARE –MODENA HEALTH COMPANY

Main projects

From 2006 Clinical Engineer Manager of Modena Hospitals (about 10 hospitals and health house) and for Medical Imaging Equipment. The work consist in management this kind of medical equipment how: supply, maintenance, project, installation, safety in particular for big equipment as RX, MRI,, CT, LINAC, CT-PET, CT-SPECT, angiography, mammography...etc and RIS-PACS information system management and some other software department systems

Health Tecnology Assessment of big equipment and many other devices for ICU, OR, cardiology, emergency..etc

Other medical software devices as:

- RIS-PACS Radiology Information Systems Modena's Hospitals
- CIS Cardiology Information Systems Modena's Hospitals collect all information about ECG exams- Ecography PACS Information System Modena's Hospital: collect all information about ecography exams
- Obstetric and Ginaecology Ecography PACS and Bitest analysis information systems: collect all information about this clinica activity how structured medical report, laboratory exams and imaging data from ultrasound equipment
- Radiology dashboard project and developement for Modena's Hospitals: this is a graphic web based tool that support operators and managers to evaluate activity in radiology and equipments used time

- Date (from – to)
- Employer
- Company
- Role

2001 – 2005 – Modena, Italia
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FREE LANCE

- Main Tasks

Free Lance as Clinical Engineer in HTA (Health Technology Assessment) apply for impact analysis choice and supply biomedical technology in particular to implement planning for technology of new Baggiovara and Sassuolo hospitals
Other activity as expert consultant in legal context and as software developer for companies in biomedical context with Matlab. MS Visual Basic ,Access/SQL, C++.

- Date (from – to) 2000 –2001 – Trieste, Italia
 - Employer *Area Science Park – Consorzio per la Ricerca Scientifica e Tecnologica*
 - Company *ItalTBS Spa – Clinical Engineer Services*
 - Role **Scholarship –FRIULI VENEZIA GIULIA Region**
- Main Tasks Clinical Engineer Services, Electrical Safety and Functionality Testing, IEC Norms and law for medical equipment, defining and editing control protocols for several kind of medical equipment as defibrillators, infusion pumps, patient ventilators, elettrocardiographs, ultrasound equipment and big equipment
- Date (from – to) 1999 –2000 – Treviso, Italia
 - Employer *SIM SOFTWARE SRL*
 - Company *Software House*
 - Role **SOFTWARE ANALYST AND DEVELOPER**
- Main Tasks Developing application software as Cobol R85, Visual Basic, SQL Server on Windows and Unix for small companies in Veneto Region.
- Date (from – to) 1998 –1999 – Padova, Italia
 - Employer **ENGINEERING SPA**
 - Company *Software House*
 - Role **SOFTWARE DEVELOPER**
- Main Tasks Developing application software as COBOL, DB2 , IBM Mainframe for Bank and Insurance Company together Andersen Consulting
- Date (from – to) 1997 – 1998 Roma , Italia
 - Employer **MINISTERO DEGLI INTERNI**
 - Company *Firemans Department*
 - Role *Military Service*
- Main Tasks *Assistant Fireman*
- Date (from – to) 1996 –1997 Treviso, Italia
 - Employer **MINISTERO DELL'ISTRUZIONE**
 - Company *Teaching at technical institute schools Below:
I.T.I.S. Galileo Galilei Conegliano veneto (TV)
I.P.S.I.A. Galileo Galilei Montebelluna (TV) and Castelfranco Veneto (TV)
I.T.I.S. Max Planck Treviso*
 - Role **TEACHER**
- Main Tasks *Electronics, Informatic and Design Technology matters*

EDUCATION AND TRAINING

- Date (from – to) *September 2024 – December 2024*
 - Insitute *Emilia Romagna region*
 - Main Skills ***PNNR Health Managerial Training Course - M6 C.2.2(c) Development of technical-professional, digital and managerial skills of regional healthcare system staff.A.Y. 2021/22 II***
Total 200 hours
Project Work “Evaluation of the Performance of Territorial Operations Centers (COT)”
- Study Level ***Department Manager***
- Date (from – to) *September 2022 – March 2023*
 - Insitute *University of Modena and Reggio Emilia*

• Main Skills

Advanced course in Management of complex healthcare facilities

A.Y. 2021/22 II edition

Total 120 hours

Project Work “Optimization of planning processes for patients awaiting admission from the Emergency Department: digital reception, triage and hospitalization experiences.”

• Study Level

Department Manager

• Date (from – to)

Maggio-Luglio 2018

• Insitute

AUSL Modena

• Main Skills

Management Academy AUSL Modena Course

Total 84 hours (SDA Bocconi)

Project Work “Bundled Payment in femur-fracture patient path”

• Study Level

Management

• Date (from – to)

2000 – 2002 – Italia

• Insitute

University of Trieste

• Main Skills

Clinical Engineering Specialization Course

• Certificate

Clinical Engineering Specialist

• Study Level

POST-LAUREAM DIPLOMA

• Date (from – to)

1996 - Padova - Italia

• Insitute

University of Padua

• Main Skills

Engineering

• Certificate

Enabling Profession Qualification Exams

• Study Level

Engineer Enabling Certificate

• Date (from – to)

1990 – 1996 – Italia

• Insitute

University of Padua

• Main Skills

Electronic Engineering Degree

• Certificate

Electronic Engineering Degree

• Study Level

Electronic Engineering Degree - Biomedical Branch

NATIVE LANGUAGE

ITALIAN

OTHER LANGUAGE

ENGLISH

• Reading

GOOD

• Writing

GOOD

• Speaking

NICE

**RELATIONAL SKILLS AND
COMPETENCES**

Many years of experience in the management of supply contracts and in relations with external private suppliers

**ORGANIZATIONAL SKILLS
TECHNICAL SKILLS AND
COMPETENCES**

Many years of experience in the management of collaborators (about 5 people)

Many years of experience in the management, supply, installation and design and layout of large biomedical equipment (about 10 CT, 6 MRI, 6 angiograph, 20 RX fixed equipments, 1 SPECT-CT, 1 CT-PET, 3 LINAC ecc and many other for ICU, OR, emergency, ultrasound etc)

Multiyear Experience In Carrying Out Public Tender For The Supply And Evaluation Of Biomedical Technologies And Medical Software (also equipment for medicine, rehabilitation, intensive care, surgery and functional exploration in general, radiology and diagnostic imaging, ultrasound, nuclear medicine and radiotherapy.)

- *"Holter Electrocardiography Equipment"* Year 2003 Biomedical Engineering Degree. University of Bologna. Student: Marco Benini
- *"Biomedical Equipments Informatics Integration in Cardiology Department"* Year 2005 Biomedical Engineering Degree. University of Bologna. Student: Erica Roli
- *"Hospital Electrical Safety on Medical Equipment"* Year 2005 Clinical Engineering School (1° level Degree). University of Bologna. Student: Daniele Gallo
- *"Medical Equipment technology in Medicine and Rehabilitation Department of New Baggiovara Hospital"*, Year 2005 University of Bologna. Student: Vincenzo Garaffa
- *"RIS-PACS Modena Hospitals: The project "*. Year 2007 Clinical Engineering School (2° level Degree). University of Bologna. Student: Vincenzo Garaffa
- *"RIS-PACS Modena Hospitals: Maintenance and Developement"* Year 2007 Clinical Engineering School (2° level Degree). University of Bologna. Student: Corrado Pellicciari
- *"Quality Testing on Ultrasound Equipment"* Year 2008 Clinical Engineering School (2° level Degree). University of Bologna. Student: Luca Carradori
- *"Validation and Experimentation Protocols for Biomedical Equipment Technology"*. Year 2009 Clinical Engineering School (2° level Degree). University of Bologna. Student: Raffaele Nativio
- *"Developement of an Open Source Information System for Remote monitoring of Medical Equipment Functionality"* Year 2011 Biomedical Engineering Degree. University of Bologna. Student: Sara Menozzi
- *"Automated Breast Ultrasound Systems for Diagnosys of Mammary Carcinoma"* Year 2019 Clinical Engineering School (2° level Degree). University of Bologna. Student: Greta Puleo
- *"Tecnological Evolution of LINAC: MR-LINAC"* Year 2021 Clinical Engineering School (2° level Degree). University of Bologna. Student: Giulia Marchionni
- *"BMES: BODY COMPOSITION EVALUATION SOFTWARE"* Year 2021 Clinical Engineering School (2° level Degree). University of Bologna. Student: *Manuela Lorenzetti*
- *"Phase 4D-FLOW Contrast Sequence in MRI for Cardiovascular Disease Analysis"* Year 2021 Clinical Engineering School (2° level Degree). University of Bologna. Student: *Jennifer Agnone*
- *"State of Art of LINAC for Radioteraphy e Prontoteraphy"* Year 2022. Clinical Engineering School (2° level Degree). University of Bologna. Student: *Ivan Brunelli*
- *"PNRR European Recovery Planning and The Medical Equipment in Emilia-Romagna Region"* Year 2022. Clinical Engineering School (2° level Degree). University of Bologna. Student: *Maria Grazia Colistra*
- *"Medical Device Software for Diagnostic Imaging: Norms and Law"* Year 2022. Clinical Engineering School (2° level Degree). University of Bologna. Student: *Lorella Bottino*
- *"Robotic Surgery and Artificial Intelligence: an increasingly cutting-edge collaboration"* Year 2023. Clinical Engineering School (2° level Degree). University of Bologna. Student: *Giacomo Girolimini*
- *"Treatment of tremor by thermoablation of the Vim with MRgFUS at the IRCCS "Bonino Pulejo" Neurolesi Center in Messina"* Year 2024. Clinical Engineering School (2° level Degree). University of Bologna. Student: *Antonino Longo*
- *"SIZING CRITERIA FOR A BIOMEDICAL TECHNOLOGY IN A NUCLEAR MEDICINE UNIT"* Year 2024. Clinical Engineering School (2° level Degree). University of Bologna. Student: *Julia Poe*
- *"INNOVATIONS AT THE SERVICE OF THE EMILIAN-ROMAGNA HEALTH SYSTEM IN RADIOTHERAPY AND NUCLEAR MEDICINE"* Year 2024. Clinical Engineering School (2° level Degree). University of Bologna. Student: *Maria Bruna Plasmati*
- *"The challenge of automation in RAS (Robotic Assisted Surgery) systems"* Year 2024. Clinical Engineering School (2° level Degree). University of Bologna. Student: *Sara Cuscunà*

EVENTS SPEAKER

- The role of Clinical Engineer in quality assurance and accountability in Health Organization. Engineering Department University of Bologna. Seminary Year 2004. Prof. Claudio Lamberti
- *Digitalization and Dematerialization in Hospitals* Country Department - MEDMATICA Vicenza november 2007. Conference
- *Communication of Health Data: digital organization and telemedicine experiences*-MEDMATICA Vicenza november 2008. Conference
- Technological problems of patient identification in complex medical systems - HEALTHCARE RISK MANAGEMENT Arezzo november 2009. Conference
- *"Ecocolordoppler of the supraortic Trunks: Physic Principles and practical application."* Baggiovara Modena December 2013. National Advanced Course in Neurovascular Ultrasound - SINV - Società Italiana interdisciplinare Neurovascolare . Seminary
- *"Quality Assurance protocols in Healthcare"* Engineer Institution of Modena. 2014. Seminary
- *"Risk Analysis in medical device"*. Engineer Institution of Modena. 2014. Seminary
- *"Robotic Surgery And New Frontiers In The Healthcare Field"*. Engineer Institution of Modena. 2015. Seminary
- *"Electrical Safety Checks And Functionality Of Electro-Medical Equipment In The Healthcare Field"* Engineer Institution of Modena. 2015. Seminary
- *"The Management Of Ris-Pacs Systems In Diagnostics By Images, Regulatory Aspects And*
- *"The New Regulations On The Matter Of Dm. Seminar Cycle: Gdpr – New European Regulation 2016/679 On The Protection Of Personal Data"* Engineer Institution of Modena. 2018. Seminary
- *"The Evolution Of Ris-Pacse Systems Of Information Systems"* E-Health Hospital Experience Ospedale di Baggiovara Modena. Aprile 2014.
- *Security Policies"* Engineer Institution of Modena. 2016. Seminary
- *"The State Of The Art Radiological Equipment And Reference Standards" 2021. 8 hours training course for workers of Certification Body KIWA CERMET Spa Bologna*
- *"New Frontiers In Operating Room Integration"* EXPO' SANITA' Bologna 2022. Conference

OTHERS

- *Since 2014 Coordinator Of The Biomedical Engineers Group Within The Hospital, Biomedical And Health Engineering Commission Of The Order Of Engineers Of The Province Of Modena*
<https://www.ordineingegnerimodena.it/verbali-e-delibere/>
- *Since 2009 Lecturer at the University of Bologna Master II level Clinical Engineering and Medical Devices Teaching course "Biomedical Technologies*
<https://master.unibo.it/ingegneria-clinica-e-dispositivi-medici/it>
- *From 2022 Lecturer at the University of Modena and Reggio Emilia Faculty of Medicine and Surgery*
Teaching module "Informatics INF/01"

Three-year Degree Courses in Obstetrics, Dental Hygiene, Dietitian, Biomedical Laboratory Technicians, Medical Radiology and Radiotherapy Technicians, Cardiology Technician
<https://personale.unimore.it/rubrica/dettaglio/mmartign>