

PERSONAL INFORMATION

MARCO FORACCHIA



📍 via Resti, 8/1, 42121 Reggio nell' Emilia (RE), Italia

☎ 0522 – 296721 📠 3479497109 - 3346478393

✉ marco.foracchia@ausl.re.it

✉ foracchia@gmail.com

💬 Skype: foracchia, foracchiaasmn

Gender MALE | Date of Birth 19/04/1975 | Nationality ITALIAN

PROFESSIONAL EXPERIENCE

4/2018 – today

Chief Information Officer (CIO)**Direttore Struttura Operativa Complessa – Servizio Tecnologie Informatiche e Telematiche (STIT)**

Azienda Ospedaliera di Reggio Emilia, Santa Maria Nuova, IRCCS

Strategic Planning IT
Financial Planning IT
Program Management
Project Management
Procurement Management

2017 – 2021

Consultant

Azienda Ospedaliero – Universitaria di Modena

Architectural ICT Design in the Healthcare Sector

2017 – 2018

Professor

SDA Bocconi

Development of healthcare information systems

1/2015 – 3/2018

Dirigente Responsabile di Struttura Informatica Clinica

Azienda Ospedaliera di Reggio Emilia, Santa Maria Nuova, IRCCS

1/2010 – 1/2015

Dirigente Responsabile Settore Informatica Clinica

Azienda Ospedaliera di Reggio Emilia, Santa Maria Nuova, IRCCS

Strategic Planning IT
Financial Planning IT
Program Management
Project Management
Procurement Management

1/2007 – 12/2009

Consultant – Healthcare Information Systems

Progel S.p.a., Argelato (BO)

Project Management

1/2006 – 12/2006 **Consultant – Healthcare Information Systems**

Varian Medical Systems

- Project Management

Project Management

1/2003 – 12/2009 **R&D Manager, Partner**

M2 Scientific Computing s.r.l., Felina di Castelnovo ne' Monti (RE)

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Project Management

R&D Engineer

EDUCATION

2024 **APPLIED DATA SCIENCE PROGRAM: LEVERAGING AI FOR EFFECTIVE DECISION MAKING**

Massachusetts Institute of Technology

2023 **HealthCare Organization Management Certification**
Corso Di Formazione Manageriale per le Direzioni Generali e Strategiche Delle Organizzazioni Sanitarie

University of Parma

2021 **EMMAS**
Executive Master – Management of Healthcare Organizations

SDA Bocconi

Master Universitario di 2° Livello

2016 **E-Health Academy**
Associazione Italiana Sistemi Informatici in Sanità (AISIS)
Associazione Italiana Calcolo Automatico (AICA)
SDA Bocconi

Certificazione profilo Chief Information Officer (CIO)

2015 **E-Health Academy**
Associazione Italiana Sistemi Informatici in Sanità (AISIS)
Associazione Italiana Calcolo Automatico (AICA)

Qualifica Chief Information Officer (CIO)

2001 - 2003 **PhD – Bioengineering**

Politecnico di Milano

1998 **Master**

Twin Course on Biomedical Engineering and Medical Physics – Università di Patrasso (GR)

1999 **Laurea in Ingegneria Elettronica – Orientamento Biomedico**

Università degli Studi di Padova

Voto 110/110

1992 **Maturità Tecnica Informatica Sperimentale**

Istituto Tecnico Sperimentale BUS-TCS Blaise Pascal, Reggio Emilia

Voto 60/60

1991 **High School Diploma**

Western Albemarle High School, Crozet (VA, USA)

OTHER

Mother Language Italiano

Other Languages

	COMPRESIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
INGLESE	C1	C1	C1	C1	C1
Diploma rilasciato da liceo USA					
TEDESCO	A1	A1	A1	A1	A1
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Competenza digitale

AUTOVALUTAZIONE				
Elaborazione delle informazioni	Comunicazione	Creazione di Contenuti	Sicurezza	Risoluzione di problemi
AVANZATO	AVANZATO	AVANZATO	AVANZATO	AVANZATO

PUBLICATIONS

- M. Foracchia, A. Ruggeri. Cell Contour Detection in Corneal Endothelium In-Vivo Microscopy . Proc. Chicago 2000 - World Congress on Medical Physics and Biomedical Engineering, Chicago (IL), USA, Jul 23-28, 2000 (CD-ROM).
- A. Ruggeri, M. Foracchia. Automatic detection of cell contour in images of corneal endothelium from confocal microscopy. Proc. XIV International Conference of Eye Research, Santa Fe (NM), USA, Oct 15-20, 2000.
- M. Foracchia, E. Grisan and A. Ruggeri. Extraction and quantitative description of vessel features in hypertensive retinopathy fundus images. Proc. 2nd International Workshop on Computer Assisted Fundus Image Analysis (CAFIA-2), Copenhagen, Denmark, Oct 5-7, 2001, nr. 6, p. 14, 2001.
- A. Ruggeri, M. Foracchia. Quantitative analysis of transit times in dynamic fluoro-angiography images. Proc. 2nd International Workshop on Computer Assisted Fundus Image Analysis (CAFIA-2), Copenhagen, Denmark, Oct 5-7, 2001, nr. 13, p. 18, 2001

- E. Grisan, M. Foracchia and A. Ruggeri. Detection and classification of nonvascular diagnostic signs in retinopathy fundus images. Proc. 2nd International Workshop on Computer Assisted Fundus Image Analysis (CAFIA-2), Copenhagen, Denmark, Oct 5-7, 2001, nr. 19, p. 21, 2001
- Andrew Hooker, Marco Foracchia, Mike Dodds, Paolo Vicini, Optimal Design in Large Scale Clinical Trials, BMES2001, Durham (NC), USA, Oct. 4-7, 2001
- Ponzin D., Foracchia M., Camposampiero D., Barbaro G., Ruggeri A.. Automatic Determination of Endothelial Cell Density in Light Microscopy. Proc. European Eye Bank Association, 14th Annual Meeting, 2002
- A. Ruggeri, M. Foracchia, E. Grisan. A computerized system for the measurement of transit times in dynamic fluoroangiography. EMBEC'02 - IFMBE Proc. Series Vol. 3, pp. 1556-57, IFMBE, 2002.
- M. Foracchia, E. Grisan, A. Ruggeri. Detection of vessel caliber irregularities in color retinal fundus images by means of fine tracking. EMBEC'02 - IFMBE Proc. Series Vol. 3, pp. 1558-59, IFMBE, 2002.
- A. Ruggeri, M. Foracchia, E. Grisan. Detecting the optic disc in retinal images by means of a geometrical model of vessel network. Proc. 25th Annual International Conference of IEEE-EMBS, IEEE, New York, 2003.
- E. Grisan, M. Foracchia, A. Ruggeri. A novel method for the automatic evaluation of retinal vessel tortuosity. Proc. 25th Annual International Conference of IEEE-EMBS, IEEE, New York, 2003.
- M. Foracchia, A. Ruggeri. Corneal endothelium analysis by means of Bayesian shape modeling. Proc. 25th Annual International Conference of the IEEE-EMBS, IEEE, New York, 2003.
- A. Ruggeri, M. Foracchia, E. Grisan. Detection of optic disc based on a directional model of vascular network. Proc. 3rd International Workshop on Computer Assisted Fundus Image Analysis (CAFIA3), Eur. J. Ophthalmol. 13 (2): 229, 2003.
- E. Grisan, M. Foracchia, and A. Ruggeri. Normalization of luminance and contrast in fundus images. Proc. 3rd International Workshop on Computer Assisted Fundus Image Analysis (CAFIA3), Eur. J. Ophthalmol. 13 (2): 228, 2003.
- M. Foracchia, E. Grisan, and A. Ruggeri. Refinement of vessel caliber information from tracking algorithms by means of fine tracking. Proc. 3rd International Workshop on Computer Assisted Fundus Image Analysis (CAFIA3), Eur. J. Ophthalmol. 13 (2): 228, 2003.
- A. Hooker, M. Foracchia, M. Dodds, P. Vicini, An evaluation of population D-optimal designs via pharmacokinetic simulations
Ann Biomed Eng. 2003 Jan;31(1):98-111.
- M. Foracchia, A. Hooker, P. Vicini and A. Ruggeri. POPED, a software for optimal experiment design in population kinetics. Comput Methods Programs Biomed 74:29-46, 2004.
- M. Foracchia, E. Grisan and A. Ruggeri. Detection of optic disc in retinal images by means of a geometrical model of vessel structure. IEEE Trans Med Imag 23:1189-1195, Oct 2004.
- M. Foracchia and A. Ruggeri. Automatic estimation of endothelium cell density in donor corneas by means of Fourier analysis. Med Biol Eng Comput 42(5): 725-731, Sep 2004.
- M. Foracchia, E. Grisan and A. Ruggeri. Luminosity and contrast normalization in retinal images. Med Image Anal, 9/3:179-190, 2005.
- M. Foracchia, A. Ruggeri. Corneal Endothelium Cell Field Analysis by means of Interacting Bayesian Shape Models Engineering in Medicine and Biology Society, 2007. EMBS 2007. 29th Annual International Conference of the IEEE 22-26 Aug. 2007 Page(s):6035 – 6038
- E. Grisan, M. Foracchia, A. Ruggeri. A Novel Method for the Automatic Grading of Retinal Vessel Tortuosity. IEEE Transactions on Medical Imaging, Volume 27, Issue 3, March 2008 Page(s):310 – 319
- A. Iori, M. Foracchia, C. Gradellini, Planning With Nanda, Noc, Nic Taxonomies In Neurologic Rehabilitation. A clinical study, Prof Inferm. 2015 Jul-Sep;68(3):163-8. doi: 10.7429/pi.2015.683163.
- Elisabetta Larosa 1, Olivera Djuric 2 3, Mariateresa Cassinadri 1, Silvia Cilloni 1, Eufemia Bisaccia 1, Massimo Vicentini 3, Francesco Venturelli 4 1, Paolo Giorgi Rossi 3, Patrizio Pezzotti 5, Emanuela Bedeschi 1, Reggio Emilia Covid-19 Working Group 6, Secondary transmission of

- COVID-19 in preschool and school settings in northern Italy after their reopening in September 2020: a population-based study. *Euro Surveill.* 2020 Dec;25(49):2001911
- Fasano T, Trenti C, Negri EA, Guiducci V, Foracchia M, Bonelli E, Canovi S, Besutti G, Bertolini S, Calandra S. Search for familial hypercholesterolemia patients in an Italian community: A real-life retrospective study. *Nutr Metab Cardiovasc Dis.* 2022 Mar;32(3):577-585
 - Pinto C, Berselli A, Mangone L, Damato A, Iachetta F, Foracchia M, Zanelli F, Gervasi E, Romagnani A, Prati G, Lui S, Venturelli F, Vicentini M, Besutti G, De Palma R, Giorgi Rossi P. SARS-CoV-2 Positive Hospitalized Cancer Patients during the Italian Outbreak: The Cohort Study in Reggio Emilia. *Biology (Basel)* 2020 Jul 22;9(8):181
 - Giorgi Rossi P, Ferrari F, Amari S, Bassi A, Bonvicini L, Dall'Aglio L, Della Giustina C, Fabbri A, Ferrari AM, Ferrari E, Fontana M, Foracchia M, Gallè T, Ganugi G, Ilari B, Lo Scocco S, Maestri G, Moretti V, Panza C, Pinotti M, Prandini R, Storani S, Street ME, Tamelli M, Trowbridge H, Venturelli F, Volta A, Davoli AM; Childhood Obesity Prevention Working Group. Describing the Process and Tools Adopted to Co-create a Smartphone App for Obesity Prevention in Childhood: Mixed Method Study. *JMIR Mhealth Uhealth.* 2020 Jun 8;8(6):e16165.
 - Reggio Emilia Covid-19 Working Group. Prevalence of SARS-CoV-2 (Covid-19) in Italians and in immigrants in an area of Northern Italy (Reggio Emilia). *Epidemiol Prev.* 2020 Jul-Aug;44(4):304-307.
 - Giulia Besutti 1 2, Marta Ottone 3, Tommaso Fasano 4, Pierpaolo Pattacini 5, Valentina Iotti 5, Lucia Spaggiari 5, Riccardo Bonacini 5, Andrea Nitrosi 6, Efrem Bonelli 5 4, Simone Canovi 4, Rossana Colla 4, Alessandro Zerbini 7, Marco Massari 8, Ivana Lattuada 9, Anna Maria Ferrari 9, Paolo Giorgi Rossi 3, Reggio Emilia COVID-19 Working Group. The value of computed tomography in assessing the risk of death in COVID-19 patients presenting to the emergency room. *Eur Radiol.* 2021 Dec;31(12):9164-9175.
 - Canovi S, Besutti G, Bonelli E, Iotti V, Ottone M, Albertazzi L, Zerbini A, Pattacini P, Giorgi Rossi P, Colla R, Fasano T; Reggio Emilia COVID-19 Working Group. The association between clinical laboratory data and chest CT findings explains disease severity in a large Italian cohort of COVID-19 patients. *BMC Infect Dis.* 2021 Feb 8;21(1):157.
 - Galli MG, Djuric O, Besutti G, Ottone M, Amidei L, Bitton L, Bonilauri C, Boracchia L, Campanale S, Curcio V, Lucchesi DMF, Mulas CS, Santi F, Ferrari AM, Giorgi Rossi P, Luppi F; Reggio Emilia COVID-19 Working Group. Clinical and imaging characteristics of patients with COVID-19 predicting hospital readmission after emergency department discharge: a single-centre cohort study in Italy. *BMJ Open.* 2022 Apr 6;12(4):e052665
 - Fasano T, Trenti C, Negri EA, Guiducci V, Foracchia M, Bonelli E, Canovi S, Besutti G, Bertolini S, Calandra S. Search for familial hypercholesterolemia patients in an Italian community: A real-life retrospective study. *Nutr Metab Cardiovasc Dis.* 2022 Mar;32(3):577-585
 - Pinto C, Berselli A, Mangone L, Damato A, Iachetta F, Foracchia M, Zanelli F, Gervasi E, Romagnani A, Prati G, Lui S, Venturelli F, Vicentini M, Besutti G, De Palma R, Giorgi Rossi P. SARS-CoV-2 Positive Hospitalized Cancer Patients during the Italian Outbreak: The Cohort Study in Reggio Emilia. *Biology (Basel)* 2020 Jul 22;9(8):181
 - Marta Ottone, Letizia Bartolini, Laura Bonvicini, Paolo Giorgi Rossi and Reggio Emilia COVID-19 working group, The effect of diabetes on COVID-19 incidence and mortality: Differences between highly-developed-country and high-migratory-pressure-country populations. *Frontiers in Public Health*, 8 March 2023, DOI 10.3389/fpubh.2023.969143
 - Giada Caviola, Jessica Daolio, Carlotta Pellegrini, Francesca Cigarini, Luca Braglia, Marco Foracchia, Elisa Mazzini and Loredana Cerullo, Learning from Adaptations to the COVID-19 Pandemic: How Teleconsultation Supported Cancer Care Pathways at a Comprehensive Cancer Center in Northern Italy, *Cancers* 2023, 15, 2486. <https://doi.org/10.3390/cancers15092486>

Memberships

IEEE

AISIS (Associazione Italiana Sistemi Informativi in Sanità) - Vicepresident

HIMSS Italian Community

KLAS Resarch International Advisory Board

Certifications

PMP (PMI)
ITIL Foundation

Reggio Emilia, 24th May 2026

Marco Foracchia MEng PhD