

PERSONAL INFORMATION

Roberta Gazzarata



Nationality

Date of birth 4th June 1985

Gender

WORK EXPERIENCE

06/2022 - today

HL7 Europe In-house consultant

HL7 Europe - Square de Meeûs 38/40, 1000 Brussels, Belgium

06/2012 - today

Tutor HL7 Italy e-learning coursesOrganization HL7 Italy (<http://www.hl7italia.it/>)

- Postgraduate e-learning activity for Italian companies employees and freelancers in the following editions:
 - 05/2024 – 06/2024: HL7 FHIR Fundamentals course (sixth edition)
 - 02/2024 – 05/2024: HL7 Fundamentals course (tenth edition)
 - 05/2023 – 06/2023: HL7 FHIR Fundamentals course (fifth edition)
 - 02/2023 – 05/2023: HL7 Fundamentals course (ninth edition)
 - 05/2022 – 06/2022: HL7 FHIR Fundamentals course (fourth edition)
 - 01/2022 – 04/2022: HL7 Fundamentals course (eighth edition)
 - 04/2021 – 05/2021: HL7 FHIR Fundamentals course (third edition)
 - 01/2021 – 04/2021: HL7 Fundamentals course (seventh edition)
 - 04/2020 – 05/2020: HL7 FHIR Fundamentals course (second edition)
 - 12/2019 – 04/2020: HL7 Fundamentals course (sixth edition)
 - 06/2019 – 07/2019: HL7 FHIR Fundamentals course (first edition)
 - 11/2018 – 04/2019: HL7 Fundamentals course (fifth edition)
 - 01/2017 – 05/2017: HL7 Fundamentals course (fourth edition)
 - 01/2015 – 04/2015: HL7 Fundamentals course (third edition)
 - 11/2013 – 03/2014: HL7 Fundamentals course (second edition)
 - 10/2012 – 03/2013: HL7 Fundamentals course (first edition)

06/2024 – today

Treasury Responsible, HL7 Italia Board

HL7 Italia

06/2018 – 06/2024

Services and Education Responsible, HL7 Italia Board

HL7 Italia

05/2014 – today

Founding member and R&D Director

Healthropy s.r.l. – University of Genoa Spin off – Corso Italia 15/6, 17100 Savona, Italy

01/2014 – 06/2017

Postdoctoral Research Fellow

Department of Informatics, Bioengineering, Robotics and Systems Engineering (DIBRIS) – University of Genoa – Via all'Opera Pia 13, 16145 Genoa, Italy

- Design and development of a SOA for infectious clinical data reuse and sharing

- 09/2010 – 12/2013 **Responsible of standardized middleware development**
Department of Informatics, Bioengineering, Robotics and Systems Engineering (DIBRIS) – University of Genoa – Via all'Opera Pia 13, 16145 Genoa, Italy
- Design and development of a standardized middleware based on HL7 v3 CDA R2 and of a converter to translate information mapped with HL7 v3 CDA R2 reference model into information mapped with openEHR formalism and vice versa for the tele-monitoring system of patients affected by Congestive Heart Failure (CHF) proposed by European project CHIRON (INTEGRATED HEALTHCARE APPROACH FOR HOME, MOBILE AND CLINICAL ENVIRONMENTS <http://www.chiron-project.eu/>)
- 06/2012 – 07/2012 **Collaborator for activities to research support**
Department of Communication, Computer and System Sciences (DIST)– University of Genoa – Via all'Opera Pia 13, 16145 Genoa, Italy
- Upgrading, expansion, integration of technical and scientific contents and activities of support and maintenance of the web site [www. Ricercaeprevenzione.it](http://www.Ricercaeprevenzione.it)
- 12/2011 – 03/2012 **Collaborator for activities to teaching support (Co.Co.Pro)**
Department of Communication, Computer and System Sciences (DIST)
- Activities of teaching support for "Course of Computer Science Basics" of Bioengineering degree course.
- 09/2010 – 12/2010 **Scholarship holder for activities to research support**
Department of Communication, Computer and System Sciences (DIST)
- Activities of research on "Scientific and educational clinical material dissemination through the web"
- 04/2009 – 10/2009 **Scholarship holder for activities to research support**
Department of Communication, Computer and System Sciences (DIST)
- Activities of research on "Information system for educational material dissemination for patients"
- 03/2008 – 08/2008 **Collaborator for activities to research support**
Department of Communication, Computer and System Sciences (DIST)
- Web software development for "Educational material on oncological and other diseases database"

EDUCATION AND TRAINING

- 2014 – today **Lecturer in Health Information Systems**
- 11/2014 **International FHIR Developers Days 2014**
- 01/2011 – 04/04//2014 **PhD in Bioengineering achievement**
University of Genoa
- Thesis title: "Design and prototypal development of a telecare system for chronic patients based on a standardized SOA"
 - Advanced SOA design and development
 - Health information standard advanced in-depth analysis: HL7 version 3, openEHR, CEN/ISO 13606, LOINC, SNOMED, ICD-9/10, MeSH

- 03/2011 - 6/2011 **Internationally recognized qualification in HL7 definition and for “HL7 Tutor” activities achievement**
 HL7 International
 - “HL7 e-learning course” attendance to recognize international qualification in HL7 definition and for “HL7 Tutor” activities. This course was organized by HL7 International and was about: UML, XML, HL7 v2, HL7 v3, HL7 v3 CDA R2, HL7 FHIR
- 2007-2010 **Master’s Degree in Bioengineering achievement**
 University of Genoa
 - Final grade: 110/110 summa cum laude, publication recommended
- 2004-2007 **Bachelor’s Degree in Bioengineering achievement**
 University of Genoa
 - Final grade: 106/110, publication recommended

PERSONAL SKILLS AND COMPETENCES

Mother tongue Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Social skills and competences

- I am able to:
- Correctly work in a heterogeneous environment as a university research laboratory
 - Quickly acquire technical and contextual information with competence different from mine (great interactions with medical and business environment)
 - Hand acquired knowledge over people who are learning

Organisational skills and competences

- I am able to
- function as team leader in development project, coordinating the contribution of several partners
 - design, develop and coordinate e-health projects

Technical skills and competences

- Software architecture advanced design
- Web application design and development (web sites, WCF services)
- Databases design and development
- Medical standards: HL7 version 2, HL7 version 3, HL7 FHIR, openEHR, CEN/ISO 13606, LOINC, SNOMED, ICD-9/10, MeSH, RLUS, CTS2, IXS.
- Normative UNI EN ISO 9001:2015 (Quality Management Systems)

Computer skills and competences

- Development framework: Microsoft Visual Studio 2019-2017-2015-2013-2012-2010-2008-2005 (known at advanced level in particular WCF framework); Eclipse (known at basic level)
- Programming languages: Visual Basic .NET e C# (known at advanced level in all version from 2005); C++ (known at academic level); Python, Groovy e Java (known at basic level)
- DBMS: Microsoft SQL Server 2019-2012-2008-2005 (known at advanced level); MySQL (known at academic level); ORACLE (known at basic level), MongoDB.
- Office Automation: Office Package 365, 2013-2010-2007-2003 (known at advanced level and also for teaching propose)
- Operating systems: Windows 11, 10, 8, 7, Vista, XP (known at advanced level); LINUX (UBUNTU distribution) (known at basic level)

Other skills and competences ▪ Excellent orientation capabilities

Driving licence B

ADDITIONAL INFORMATION

Publications

- M. Giacomini, R. Gazzarata, F. Rizzo, D. Vecchio "Management of cancerogenic substances: meta-thesaurus versus ontology" EuroWorkSafe Workshop, 14-02-2008.
- R. Gazzarata, M. Marchetti, M. Giacomini. "La qualità nella informazione al paziente oncologico e alla sua famiglia" in La Sanità Digitale per la famiglia verticale e per il paziente. Milano 1-2/4/2008. <http://www.ehealth.polimi.it/Eventi/Events/Prospettive/Default.aspx>
- F. Rizzo, R. Gazzarata, M. Giacomini, D. Vecchio "Prevention & IT: The results of the European Project EUROWORKSAFE and New Perspectives" in Forth International Conference on Intelligent Computing and Information Systems March 19-22, 2009 Cairo (Egypt), pp. 272-277.
- VR. Gazzarata, S. Pivetti, S. Alloisio, R. Ricci, I. Truccolo, D. Vecchio, M. Giacomini: "Uso del Web per la divulgazione delle informazioni relative alla salute" TeleMediCare V Mostra-Convegno Nazionale su Medicina, Domotica e Assistenza Domiciliare. Desio (MB), 2-10-2009
- D. T. Vecchio, R. Gazzarata, S. Alloisio, M. Giacomini: "From the research to the users Prevention & IT" International Journal of Evidence Based Healthcare, 2009, vol. 7, num. 3, p. 226.
- M. Giacomini, R. Gazzarata, S. Bertolini, F. Rizzo, D. Vecchio "The use of thesauri for cancer prevention in workplace" WC 2009, IFMBE Proceedings vol. 25 n. V; O. Dössel and W C. Schlegel (Eds.), Springer & Verlag, Monaco 2009, pp. 192-193
- M. Giacomini, R. Gazzarata "OEI web site and information system" OEI General Report 2009; M. Pierotti, and C. Lombardo (Eds.), OEI-EEIG 2010, pp. 44-52
- R. Gazzarata, D. Vecchio, S. Alloisio, S. Del Buono, M. Giacomini: "ICT to support Prevention of NCD (Non Communicable Diseases) and occupational diseases" Nuove tecnologie in medicina: applicazioni informatiche e telematiche in medicina, 2011, anno 11, n. 3-4, pp. 79-83
- M. Giacomini, A. Arezza, S. Naso, V. Parodi, R. Gazzarata, F. Vergari, A. d'Elia, F. Morandi "Combining Smart Spaces and HL7 Medical standard in telemedicine scenarios" 2nd Artemis Technology Conference – Bologna 12 / 13-09-2011, http://www.artemis-ia.eu/atc_presentations.
- R. Gazzarata, V. Parodi, D. Vecchio, M. Giacomini "Il fascicolo sanitario personale come base standardizzata per un progetto europeo di telemonitoraggio", in 11° Congresso Nazionale dell'Associazione Italiana di Telemedicina ed Informatica Medica, Bologna, 30-31 maggio 2011 , pp. 32-33
- R. Gazzarata, D. Vecchio, S. Alloisio, S. Del Buono, M. Giacomini "Il supporto per la prevenzione di NCD (Non Communicable Diseases) e malattie professionali fornite dall'ICT", in 11° Congresso Nazionale dell'Associazione Italiana di Telemedicina ed Informatica Medica, Bologna, 30-31 maggio 2011 ,pp. 47-49
- M. Giacomini, S. Pivetti, R. Gazzarata, M. Marchetti, R. Carpi, S. Grilli, S. D'Urso, C. Gualinetti, A. Tacchi, M. Bonetto: "Uno strumento intelligente per le notizie-web sulla salute dei cittadini" Ingegneri della Liguria, 1/11, pp. 16-21
- R. Gazzarata, S. Pivetti, D. Vecchio, S. Alloisio, S. Del Buono, M. Giacomini "Web prevention to improve awareness in the workplace: An Italian model". Journal Community Medical Health Education, 2012, vol. 2, n. 8, p. 25
- R. Gazzarata, F. Vergari, J-M. Verlinden, F. Morandi, S. Naso, V. Parodi, T. Salmon Cinotti, M. Giacomini "The Integration of e-health into the Clinical Workflow – Electronic Health Record and Standardization Efforts" ICOST 2012, LNCS 7251, M. Donnelly, C. Paggetti, C. Nugent, M. Mokhtari (Eds.), Springer-Verlag Berlin, Heidelberg 2012, pp. 107-115
- F. Vergari, R. Gazzarata, F. Morandi, V. Parodi, S. Naso, A. Arezza, T. Salmon Cinotti, M. Giacomini "A Standardized Middleware as the core of a Telemonitoring European Project" Quality of Life through Quality of Information, Studies in Health Technology and Informatics 180; J. Mantas, S. K. Andersen, M. C. Mazzoleni, B. Blobel, S. Quaglini and A. Moen (Eds.) IOS Press Amsterdam 2012, pp. 497 – 501
- S. Pivetti, R. Gazzarata, M. Giacomini "Ontology-driven Information System for the Knowledge Transmission in Prevention Education" 7th International Conference on Formal Ontology in Information Systems (FOIS), Graz (Austria) 24 / 27-07-2012, http://kr-med.org/icbofois2012/fois/posters/pivetti_a2.pdf.
- S. Pivetti, R. Gazzarata, M. Giacomini "A MeSH-based health care prevention information retrieval system" NETTAB 2012 "Integrated Bio-Search", Como (Italia) 14 / 16-11-2012, pp. 18-20.
- R. Gazzarata, F. Vergari, V. Parodi, F. Morandi, S. Naso, T. Salmon Cinotti, M. Giacomini "A standardized middleware for remote and smart monitory of cardiac patientes within an European

- Project”, in GNB2012, June 26th – 29th, Rome (Italy), 351-1/2.
- P. Fraccaro, V. Pupella, R. Gazzarata, C. Dentone, G. Cenderello, P. De Leo, F. Bozzano, G. Casalino Finocchio, A. De Maria, D. Fenoglio, G. Filaci, M. Guerra, A. Di Biagio, E. Mantia, G. Orofino, G. Ferrea, C. Viscoli, M. Giacomini “The Ligurian Human Immunodeficiency Virus Clinical Network: A Web Tool to Manage Patients With Human Immunodeficiency Virus in Primary Care and Multicenter Clinical Trials” *Journal of Medical Internet Research*, vol. 15, Issue 8, Article Number e5; URL: <http://www.medicines20.com/2013/2/e5/>; doi:10.2196/med20.2712
 - P. Fraccaro, V. Pupella, R. Gazzarata, M. Giacomini “Reuse of Clinical Information: Integrating Primary Care and Clinical Research through a Bidirectional Standard Interface” XIII Mediterranean Conference on Medical and Biological Engineering and Computing MEDICON 2013, Laura M. Roa Romero (Eds.), Seville (Spain) 25 / 28-09-2013, pp. 1274-1277.
 - A. Tagliati, V. Pupella, R. Gazzarata, M. Giacomini “SILAM: Integrating Laboratory Information System within the Liguria Region Electronic Health Record” XIII Mediterranean Conference on Medical and Biological Engineering and Computing MEDICON 2013, Laura M. Roa Romero (Eds.), Seville (Spain) 25 / 28-09-2013, pp. 1294-1297.
 - S. Canepa, S. Roggerone, V. Pupella, R. Gazzarata, M. Giacomini “A Semantically Enriched Architecture for an Italian Laboratory Terminology System” XIII Mediterranean Conference on Medical and Biological Engineering and Computing MEDICON 2013, Laura M. Roa Romero (Eds.), Seville (Spain) 25 / 28-09-2013, pp. 1314-1317.
 - R. Gazzarata, F. Vergari, T. Salmon Cinotti and M. Giacomini “A standardized SOA for clinical data interchange in a cardiac telemonitoring environment” *IEEE Journal of Biomedical and Health Informatics*, 2014, vol. 18 n. 6, pp. 1764 – 1774, <http://dx.doi.org/10.1109/JBHI.2014.2334372>
 - V. Pupella, R. Gazzarata, M. Macrì, B. Giannini, I. Orlandi, E. Masi, P. Orcamo, C. Merlano, G. Cenderello, A. Di Biagio, M. Montefiori, M. Setti, C. Viscoli, G. Cassola, M. Giacomini, “A tool for the evaluation of the cost effectiveness of AIDS therapies” in IV Congresso Nazionale di Bioingegneria – GNB 2014, June 25th – 27th 2014, Pavia, I18
 - V. Pupella, R. Gazzarata, P. Fraccaro, A. Rossi, C. Berrutti Bergotto, M. Bagnasco, G. Cenderello, A. Di Biagio, C. Dentone, P. De Leo, G. Filaci, D. Fenoglio, M. Anselmo, G. Ferrea, C. Viscoli, G. Cassola, M. Giacomini, “A Standard Interface for Data Reuse in Infectious Diseases” in IV Congresso Nazionale di Bioingegneria – GNB 2014, June 25th – 27th 2014, Pavia, I19
 - M. Giacomini, R. Gazzarata, B. Giannini, E. Masi, V. Pupella, L. Apollaro, M. Macrì, P. Fraccaro, C. Dentone, G. Cenderello, P. De Leo, G. Casalino Finocchio, A. De Maria, D. Fenoglio, G. Filaci, M. Guerra, M. Setti, G. Mazzarello, A. Di Biagio, E. Mantia, G. Orofino, M. Anselmo, G. Ferrea, G. Cassola, C. Viscoli, “Rete Ligure dell’HIV: due anni di esperienza nella gestione del dato clinico” in XIII Congresso della Società Italiana di Malattie Infettive e Tropicali – SIMIT 2014, 26 – 29 Ottobre 2014, Genova (GE), pp. 101-102
 - R. Gazzarata, G. Cuniatti, B. Giannini, I. Orlandi, S. Roggerone, G. Cenderello, G. Mazzarello, A. Di Biagio, R. Scarso, F. Lillo, M. Giacomini, “Progettazione e sviluppo di un servizio terminologico standardizzato per l’arricchimento semantico dei referti di laboratorio” in XIII Congresso della Società Italiana di Malattie Infettive e Tropicali – SIMIT 2014, 26 – 29 Ottobre 2014, Genova (GE), pp. 375-376
 - M. Bonetto, M. Nicolò, R. Gazzarata, P. Fraccaro, R. Rosa, D. Musetti, M. Musolino, C. E. Traverso, M. Giacomini “I-Maculaweb: A Tool to Support Data Reuse in Ophthalmology” *IEEE Journal of Translational Engineering in Health and Medicine*, 2015, vol. 3, pp. 1-10, <http://dx.doi.org/10.1109/JTEHM.2015.2513043>
 - B. Giannini, R. Gazzarata, P. Orcamo, C. Merlano, G. Cenderello, A. Venturini, A. Di Biagio, G. Mazzarello, M. Montefiori, M. Ameri, M. Setti, C. Viscoli, G. Cassola, M. Giacomini “IANUA: a regional project for the determination of costs in HIV-infected patients” *Digital Healthcare Empowering Europeans, Studies in Health Technology and Informatics 210*; R. Cornet, L. Stoicu-Tivadar, A. Hörbst, C. L. Parra Calderón, S. K. Andersen, M. Hercigonja-Szekeres (Eds) IOS Press Amsterdam 2015, pp. 241-245, doi:10.3233/978-1-61499-512-8-241
 - G. Gazzarata, R. Gazzarata, M. Giacomini “A standardized SOA based solution to guarantee the secure access to EHR” *Conference on Health and Social Care Information Systems and Technologies, Villamoura (Portogallo) 07 / 09-10-2015, Procedia Computer Science 64*, pp. 1124 – 1129, doi: 10.1016/j.procs.2015.08.582
 - R. Gazzarata, M. Giacomini “A Standardized SOA for Clinical Data Sharing to Support Acute Care, Telemedicine and Clinical Trials” *European Journal for Biomedical Informatics*, 2016, vol. 12, Issue 1, pp. 49-57, DOI: 10.24105/ejbi.2016.12.1.9
 - B. Giannini, R. Gazzarata, L. Sticchi, M. Giacomini “A SOA-Based Solution to Monitor Vaccination Coverage Among HIV-Infected Patients in Liguria” *Exploring Complexity in Health: An Interdisciplinary Systems Approach, Studies in Health Technology and Informatics 228*; A. Hörbst, W. O. Hackl, N. de Keizer, H. U. Prokosch, Mira Hercigonja-Szekeres, S. de Lusignan (Eds) IOS Press Amsterdam 2016, pp. 327-331, doi:10.3233/978-1-61499-678-1-327
 - R. Gazzarata, B. Giannini, M. Giacomini “A SOA-Based Platform to Support Clinical Data Sharing”

- Journal of Healthcare Engineering, 2017, pp. 1- 24, <https://doi.org/10.1155/2017/2190679>
- M. Nicolò, R. Rosa, P. Frascio, G. Pittaluga, M. Bonetto, D. Musetti, M. Musolino, M. Giacomini, C. E. Traverso “Real-life management of patients with retinal vein occlusion using I-Maculaweb platform” Journal of Ophthalmology, 2017, pp. 1 – 5, <https://doi.org/10.1155/2017/5601786>
 - Roberta Gazzarata, Maria Eugenia Monteverde, Elena Vio, Claudio Saccavini, Lorenzo Gubian, Idelfo Borgo and Mauro Giacomini “A Terminology Service Compliant to CTS2 to Manage Semantics within the Regional HIE” European Journal for Biomedical Informatics, 2017, vol. 13, Issue 1, pp. 43-50. DOI: 10.24105/ejbi.2017.13.1.7
 - R. Gazzarata, M. Giacomini, M.E. Monteverde, E. Vio, C. Saccavini, L. Gubian, I. Borgo “A CTS2 compliant solution for semantics management in laboratory reports at regional level” Journal of Innovation in Health Informatics, 2017, vol. 24, Issue 1, p. 127AIDS
 - M. Giacomini, S. Bertolini, I. Martini, J. McDermott, E. Lazarova, G. Gazzarata, R. Gazzarata, O. Varnier “Quanti-Kin Web: a web tool for ELISA assay processing” Journal of Innovation in Health Informatics, 2017, vol 24, Issue 1, p. 126
 - N. Maggi, R. Gazzarata, C. Ruggiero, C. Lombardo, M. Giacomini: “Cancer precision medicine today: Towards omic information in healthcare systems” Tumori Journal, 2019, vol. 105, Issue 1, pp. 38-46, <https://doi.org/10.1177/0300891618792473>
 - N. Maggi, L. D. Magnoni, C. Ruggiero, R. Gazzarata, M. Giacomini “A Modular Multipurpose, Parameter Centered Electronic Health Record Architecture” Advances in Science, Technology and Engineering Systems Journal, 2019, Vol. 4, No. 5, pp. 334-340, <https://doi.org/10.25046/aj040543>
 - R. Gazzarata, M.E. Monteverde, M. Bonetto, V. Savini, E. Polilli, S. Corridoni, A. Costantini, F. Santoleri, G. Rapacchiale, D. Palmieri, S. Melena, A. Di Girolamo, A. Sciacca, M. De Benedictis, H. D’Alberto, G. Galleani, M. Giacomini, G. Parruti “A SOA Based Solution for MDRO Surveillance and Improved Antibiotic Prescription in the Abruzzo Region” pHealth 2019, Studies in Health Technology and Informatics 261; B. Blobel and M. Giacomini (Eds) IOS Press Amsterdam 2019, pp. 49-54, doi: 10.3233/978-1-61499-975-1-49
 - N. Maggi, L. Douglas Magnoni, C. Ruggiero, R. Gazzarata, M. Giacomini “Information Technology System Including Patient Generated Health Data for Cancer Clinical Care and Research” pHealth 2019, Studies in Health Technology and Informatics 261; B. Blobel and M. Giacomini (Eds) IOS Press Amsterdam 2019, pp. 289-293, doi: 10.3233/978-1-61499-975-1-289
 - B. Giannini, S. Mora, R. Gazzarata, A. Di Biagio, G. Cenderello, C. Dentone, M. Setti, D. Fenoglio, G. Cassola, C. Viscoli, M. Giacomini “The Ligurian HIV Network: How Medical Informatics Standards can help Clinical Research”. L. Ohno-Machado and L. Séroussi (Eds) IOS Press Amsterdam 2019, pp. 1666-1667 doi: 10.3233/SHTI190587
 - R. Gazzarata, M. E. Monteverde, C. Ruggiero, N. Maggi, D. Palmieri, G. Parruti, M. Giacomini “Healthcare associated infections: an interoperable infrastructure for multidrug resistant organism surveillance” International Journal of Environmental Research and Public Health, 2020, Vol. 17, pp. 1 – 16, num. 465, <https://doi.org/10.3390/ijerph17020465>
 - S. Mora, J. Attene, R. Gazzarata, G. Parruti, M. Giacomini “A NLP Pipeline for the Automatic Extraction of Microorganisms Names from Microbiological Notes” B. Blobel and M. Giacomini (Eds) IOS Press Amsterdam 2021, pp. 153-158, doi: 10.3233/SHTI210589
 - Gazzarata, R., Maggi, N., Magnoni, L.D., Monteverde, M.E., Ruggiero, C., Giacomini, M.” Semantics Management for a Regional Health Information System in Italy by CTS2 and FHIR”, Studies in Health Technology and Informatics, Vol 287, pp. 119-123, doi: 10.3233/SHTI210828
 - Mora S., Blobel B., Gazzarata R., Giacomini M, “CTS2 OWL: Mapping OWL Ontologies to CTS2 Terminology Resources”, Studies in Health Technology and Informatics, 2022, 299, pp. 44 - 52, DOI: 10.3233/SHTI220962
 - Mora S., Attene J., Gazzarata R., Giacobbe D.R., Blobel B., Parruti G., Giacomini M.” A NLP Pipeline for the Automatic Extraction of a Complete Microorganism’s Picture from Microbiological Notes, Journal of Personalized Medicine, 2022, 12 (9), art. no. 1424, DOI: 10.3390/jpm12091424
 - Murgia Y., Bonetto M., Gazzarata R., Brogonzoli L., Iardino R., Venturi A., Giacomini M., “Standardization Proposal for the Transmission of Waiting List Data in Italy”, Studies in Health Technology and Informatics, 2023, 302, pp. 846 - 850, DOI: 10.3233/SHTI230287
 - Gazzarata R., Chronaki C., Gallego A., Gaeta E., Fico G., Zampognaro P., Mercalli F., Giuliani F., Allocca C., Canglioli G., “Experience from the Development of HL7 FHIR IG for Gatekeeper Project”, Studies in health technology and informatics, 2023, 305, pp. 106 - 109, DOI: 10.3233/SHTI230435
 - Gazzarata, R., Chronaki, C., Ricciardi, F., Giuliani, F., Zampognaro, P., Mercalli, F., ... & Canglioli, G. (2023). Design and Adoption of a FHIR IG to Support a Telemonitoring Environment in Gatekeeper Project. In *Telehealth Ecosystems in Practice* (pp. 106-110). IOS Press.
 - Gazzarata, R., Chronaki, C., Gallego, A., Gaeta, E., Fico, G., Zampognaro, P., ... & Canglioli, G. (2024). The Role of HL7 FHIR in the European Project GATEKEEPER. In *MEDINFO 2023—The Future Is Accessible* (pp. 1337-1338). IOS Press.
 - Cappello, A., Murgia, Y., Giacobbe, D. R., Mora, S., Gazzarata, R., Rosso, N., ... & Bassetti, M.

(2024). Automated extraction of standardized antibiotic resistance and prescription data from laboratory information systems and electronic health records: a narrative review. *Frontiers in Antibiotics*, 3, 1380380.

- Gazzarata, Roberta, et al. "HL7 Fast healthcare interoperability resources (HL7 FHIR) in digital healthcare ecosystems for chronic disease Management: Scoping review." *International Journal of Medical Informatics* (2024): 105507.
- Mora, S., Gazzarata, R., Blobel, B., Murgia, Y., & Giacomini, M. (2024). Transforming Ontology Web Language Elements into Common Terminology Service 2 Terminology Resources. *Journal of Personalized Medicine*, 14(7), 676.

Presentations

- "WP4 Activity", 2° CHIRON Plenary Meeting, October 2010, Barcelona (Spain)
- "WP4 Activity", 3° CHIRON Plenary Meeting, February 2011, Kortrijk (Belgium)
- "WP4 Activity", 4° CHIRON Plenary Meeting, November 2011, Ljubljana (Slovenia)
- "WP4 Activity", 5° CHIRON Plenary Meeting, March 2012, Best (Netherlands)
- "WP4 Activity", 6° CHIRON Plenary Meeting, October 2012, Athens (Greece)
- "WP4 Activity", 7° CHIRON Plenary Meeting, February 2013, Rome (Italy)
- "Advanced Service Oriented Architecture (SOA) for the reuse of clinical data to enhance the collaboration between actors involved in the treatment of chronic and/or infectious diseases", 14th International HL7 Interoperability Conference (IHIC), October 2013, Sydney (Australia)
- "A SOA-based platform to support the enriched secondary use of clinical data", SOA Case Study Forum, HL7 May International Working Group Meeting, May 2015, Paris (France)
- "Una piattaforma basata su SOA per supportare il riutilizzo dei dati clinici di pazienti affetti da HIV (A SOA based platform to support clinical data reuse of HIV patients)", *Costruire la Sanità Digitale*, June 2015, Rome (Italy)
- "Gestione della semantica in FHIR (Semantic management in FHIR)", 1st HL7 Italy FHIR Workshop, December 2015, Florence (Italy)
- "A standardized SOA for clinical data sharing to support acute care, telemedicine and clinical trials", 16th International HL7 Interoperability Conference (IHIC), June 2016, Genoa (Italy)
- "Introduction to HL7 v2", InterHealth 2018, Pula (Italy), 17-21 September 2018
- "HL7 v2 in Action", InterHealth 2018, Pula (Italy), 17-21 September 2018
- "Introduction to HL7 v3", InterHealth 2018, Pula (Italy), 17-21 September 2018
- "HL7 Clinical Document Architecture: a common language to interoperate with clinical documents", InterHealth 2018, Pula (Italy), 17-21 September 2018
- "CDA in Action", InterHealth 2018, Pula (Italy), 17-21 September 2018
- "Modeling and Harmonizing clinical data: the art decor platform", InterHealth 2018, Pula (Italy), 17-21 September 2018
- "Dal Fascicolo Sanitario Elettronico alle applicazioni", ForumPA 2019, April 2019
- "Management of Semantics in Structured Laboratory Reports through LOINC", 019 Fall LOINC Conference, Mataro, Spain, October 2019
- "The Management of Semantic and Terminology Infrastructure plays a Key Role for an Effective Health Information System (HIS)", DigiHealthDay 2021 – EFMI Session, Pfarrkirchen, Germany, 12/11/2021
- "La corretta gestione delle terminologie per un FSE vincente", FSE on HL7 FHIR, Gestire i dati con HL7 FHIR nel Fascicolo Sanitario Elettronico, HL7 Italia, Bologna (Italy), 06/06/2022
- "The need of informatic standardization in the management of laboratory test semantics", 54° SIBIOC Conference, Genoa (Italy) October 2022.
- "Introduction to FHIR", InterHealth 2018, Pula (Italy), 10-14 October 2022
- "FHIR resources and profiles", InterHealth 2018, Pula (Italy), 10-14 October 2022
- "Data exchange and querying strategies", InterHealth 2018, Pula (Italy), 10-14 October 2022
- "Use of ontologies and terminologies in FHIR", InterHealth 2018, Pula (Italy), 10-14 October 2022
- "FHIR in action!", InterHealth 2018, Pula (Italy), 10-14 October 2022
- "Other standards and guidelines: HL7 v2, CDA2", InterHealth 2018, Pula (Italy), 10-14 October 2022

- Projects**
- “Servizio di spin off per l’implementazione delle azioni di estrazione dati e creazione banche dati occorrente alle esigenze dell’asl di pescara” (2018-2020)
 - “Progetto Semantic Translator: Applicazione di un sistema per gestire le codifiche semantiche tra ACG e FSEr (Semantic Translator: Application of a system to manage the semantics between ACG and the regional EHR)” (2015 - 2019)
 - “European Project CHIRON: INTEGRATED HEALTHCARE APPROACH FOR HOME, MOBILE AND CLINICAL ENVIRONMENTS” (<http://www.chiron-project.eu/>) (2010 - 2013)
 - “Research and Prevention” (www.ricercaeprevenzione.it) (2006 - 2013)
 - “GATEKEEPER Project” (<https://www.gatekeeper-project.eu/>) (2022-today)
 - “X-eHealth Project ” (<https://www.x-ehealth.eu/>) (2022-today)
 - “IDEA4RC Project” (just started, no web site available jet) (2022-today)

- Conferences**
- 13th International HL7 Interoperability Conference (IHIC),September 2012, Wien (Austria)

- Organizations**
- Genoa Association of Engineers
 - HL7 Italy
 - HL7 Europe

- Awards**
- “Joachim W Dudeck Award” for 2013 for the best paper presented at 14th International HL7 Interoperability Conference (Sydney, Australia, October 2014) by a young researcher in health informatics

- Copyrights**
- HQuantum[®] is a cloud platform, which allows any existing clinical data management system to communicate and interact with other systems, via interfaces compliant to HL7 OMG HSP standards.

Bologna, 30/07/2024