PARIMBELLI ENEA
curriculum vitae

PERSONAL INFORMATION

Full Name	Parimbelli enea
Born in	Pavia (PV) - Italy
Date of birth	10/DEC/1987
Gender	Male
Address	via Tiepolo 1 - 20129 Milan (MI), Italy
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EDUCATION

PHD, 2012-2016 Bioengineering and Bionformatics, BMI lab "Mario Stefanelli", Department of Elecrical, Computer and Biomedical Engineering, University of Pavia. Supervisor: Prof. Silvana Quaglini

MS, 2009-2011 Computer Engineering and Service Science, University of Pavia. (110/110 cum Laude)

BS, 2006-2009 Computer Engineering, University of Pavia. (110/110 cum Laude)

WORKING EXPERIENCE

POST-DOC RESEARCH FELLOW - UNIVERSITY OF PAVIA (NOV 2015 – NOV 2017)
Post-doctoral fellow at Bio-Medical informatics laboratory "Mario Stefanelli". Development of methods and systems for patient-centered telemedicine and medical decision support.

PROJECT LEADER – DAENOBIS (starting APR 2017)
Coordinator for the Daenobis project aiming at the development of a smartphone app for the monitoring and geolocation of publicly accessible AEDs in the Pavia region. The project will start a 4-month fundraising phase on the University of Pavia crowdfunding platform (www.universitiamo.eu) in April 2017.

CONTRACT PROFESSOR - UNIVERSITY OF WESTERN PIEDMONT (MAR 2017 – JUN 2017)
Contract professor for the semester-long course "Web programming fundamentals" offered to third-year BS students in computer science in Vercelli.

TEACHING ASSISTANT - UNIVERSITY OF PAVIA (SEP 2015 – JAN 2017)
Teaching assistant for the semester-long course "Telemedicine Foundations" offered to first-year MS students in bioengineering and third-year BS students in computer engineering. Course faculty: prof. Cristiana Larizza.

VISITING RESEARCH SCHOLAR – UNIVERSITY OF PENNSYLVANIA (APR 2014 – OCT 2014)
Visiting scholar at Center for Clinical Epidemiology and Biostatistics (CCEB) in the Perelman School of Medicine. Research on novel approaches to patients preferences elicitation for use in CDSS.

TEACHING ASSISTANT - UNIVERSITY OF PAVIA (SEP 2013 – JAN 2017)
Teaching assistant for the semester-long course "Internet and medicine" offered to third year BS students in bioengineering. Course faculty: prof. Giordano Lanzola.

MOBIGUIDE PROJECT TEAM MEMBER – UNIVERSITY OF PAVIA (NOV 2012-OCT 2015)
Team member of the EU-funded project "Mobiguide, guiding patients anytime, everywhere". Involved in research, design and implementation activities of the UNIPV core components including:
caregiver web interfaces, clinical shared decision modules, data analysis components and utility elicitation tools.

JAVA COURSE TEACHER – on behalf of OL3 SRL (NOV 2012)
Teaching activity for a one-week long intensive Java course (participants had no prior knowledge of OOP or Java) for Thales Alenia Space Italy employees.

JUNIOR CONSULTANT – NTT DATA EMEA (formerly Value Team spa) (SET 2011 – JUN 2012)
Team member of the "MORe (Operational monitoring of retail customers)" and "Credit management and analysis" projects for a major Italian enterprise in the Oil&Gas industry. Requirements engineering, data wharehouse design and dashboard tools development.

TUTOR AND LAB ASSISTANT – UNIVERSITY OF PAVIA (SEP 2007 – SEP 2008)
Assistant for the course "Informatics Fundamentals". OOP and Java-based software design and implementation.

REVIEWER ACTIVITIES
REVIEWER (since 2016) for the Journal of Biomedical Informatics.
REVIEWER (since 2016) for the Journal of Forensic and Legal Medicine special issue Big data in medicine and forensic science.
REVIEWER (since 2016) for the International Journal of Telemedicine and Applications.
REVIEWER (since 2015) for the International Journal of Medical Informatics.

PC MEMBER for the AIME2017 conference.
REVIEWER for AIME2015, AMIA2015 (special track on diabetes), AMIA2017 and NI2016 international conferences.

AWARDS
NOMINEE for the AMIA 2017 DOCTORAL DISSERTATION AWARD
Selected as the nominee among the University of Pavia PhD program graduates of 2016. Finalists and winners to be announced in Apr 2017.

BEST DOCTORAL DISSERTATION AWARD "Marco Ramoni"
Awarded by the Italian National Bioengineering Group (GNB) for the thesis: "Personalization of clinical decision support systems in the context of shared decision making". Sep 2016.

IEEE EXEMPLARY STUDENT BRANCH AWARD
Awarder to the University of Pavia IEEE student branch where I'm involved as the area manager for biomedical engineering. Awarded Dec 2016

BEST POSTER
Best Poster of the evidence based medicine session. Lanzola G., Quaglini S., Parimbelli E., Cavallini A., Tartara E., Micieli G., A new functionality for the SUN-Lombardia Registry: Monitoring Patients' Enrollment and Performance Indicators. Italian Stroke Forum 2012.

STUDENT AWARD
Best 1st year information engineering students (2007). AICA (Italian association for informatics and computing)

PERSONAL AND PROFESSIONAL SKILLS
LANGUAGES
Mother tongue Italian and good working proficiency in both written and spoken English.

COMPUTER SKILLS
Programming: Java, JSP, SQL, Xquery, Groovy/Grails, GIT, basics of Python and R.
Other software: SAP business objects, i2b2, Orange data mining, Knime, TreeAge pro, MS Office suite.

OTHER
IT processes ad architecture frameworks like ITIL, COBIT, CMMI, TOGAF.
SCOR framework, business process analysis and design, balanced scorecards and KPIs.
UML modelling, software architecture design and software project management including RUP, XP and Agile methodologies.

CERTIFICATIONS
HL7 fundamentals – HL7 Italy on behalf of HL7 international, MAY 2015
Modern & Contemporary American Poetry – Coursera, DEC 2014
EUCIP core - MAY/2011
Open Water Diver – PADI, APR 2010

HOBBIES AND INTERESTS
Volleyball and beach-volley - FIPAV (italian volleyball federation) player.
Modern and contemporary American Poetry.
Tropical aquarium fish - Member of the board of directors of AIC (italian cichlid association) and author of several articles on Tanganyika cichlids in specialized magazines.

PUBLICATIONS

International Journals

1. M. Peleg, Y. Shahar, S. Quaglini, T. Broens, R.Budasu, N. Fung, A.Fux, G. García-Sáezd, A. Goldstein, A. Gonzalez-Ferrer, H. Hermens, M. E. Hernando, V. Jones, D. Klimov, D. Knoppel, N. Larburu, C. Marcos, I. Martínez-Sarriegui, C. Napolitano, A. Pallas, A. Palomares, E. Parimbelli, B. Pons, M. Rigla, L. Sacchi, E. Shalom, P. Soffer, B. vasn Schooten, "Assessment of a Personalized and Distributed Patient Guidance System," *Int J Med Inform,* in press 2017.
2. M. Peleg, Y. Shahar, S. Quaglini, A. Fux, G. García-Sáezd, A. Goldstein, M. E. Hernando, D. Klimov, I. Martínez-Sarriegui, C. Napolitano, E. Parimbelli, M. Rigla, L. Sacchi, E. Shalom, P. Soffer, "MobiGuide: a personalized and patient-centric decision-support system and its evaluation in the atrial fibrillation and

gestational diabetes domains," *User Model User-adap, special Issue on Patient-centered Personalized eHealth,* in press 2017.

3. A. Shabo, M. Peleg, E. Parimbelli, S. Quaglini, and C. Napolitano, "Interplay between Clinical Guidelines and Organizational Workflow Systems: Experience from the MobiGuide project," *Methods Inf Med*, Dec 2016.

4. S. Rubrichi, C. Rognoni, L. Sacchi, E. Parimbelli, C. Napolitano, A. Mazzanti, and S. Quaglini, "Graphical Representation of Life Paths to Better Convey Results of Decision Models to Patients," *Medical Decision Making*, Jan 2015.

5. E. Parimbelli, L. Sacchi, S. Rubrichi, A. Mazzanti, and S. Quaglini, "UceWeb: a Web-based Collaborative Tool for Collecting and Sharing Quality of Life Data," *Methods Inf Med*, vol. 53, no. 6, Nov 2014.

6. L. Sacchi, S. Rubrichi, C. Rognoni, S. Panzarasa, E. Parimbelli, A. Mazzanti, C. Napolitano, S. G. Priori, and S. Quaglini, "From decision to shared-decision: Introducing patients' preferences into clinical decision analysis," *Artif Intell Med*, Nov 2014.

7. G. Lanzola, E. Parimbelli, G. Micieli, A. Cavallini, and S. Quaglini, "Data Quality and Completeness in a Web Stroke Registry as the Basis for Data and Process Mining," *Journal of Healthcare Engineering*, vol. 5, no. 2, pp. 163–184, Jun 2014.

International Conferences

1. E. Parimbelli, L. Sacchi, and R. Bellazzi, "Decision support through data integration: strategies to meet the big data challenge," in *Proceedings of the 16th International HL7 Interoperability Conference IHIC 2016*, Genova, 2016.

2. E. Parimbelli, L. Sacchi, R. I. Budasu, C. Napolitano, M. Peleg, and S. Quaglini, "The role of nurses in e-health: the MobiGuide project experience," in *Nursing Informatics 2016*, Geneva, June 2016.

3. Parimbelli E, Fizzotti G, Pistarini C, Rognoni C, Quaglini S. "Quality of Life Measurements in Spinal Cord Injury Patients". *Stud Health Technol Inform*;216:998. *MEDINFO 2015*, Sao Paulo, Aug 2015.

4. E. Parimbelli, S. Quaglini, R. Bellazzi, JH. Holmes, "Collaborative Filtering for Estimating Health Related Utilities in Decision Support Systems". *AIME 2015*, Pavia, June 2015.

5. L. Sacchi, E. Parimbelli, S. Panzarasa, N. Viani, E. Rizzo, C. Napolitano, et al. "Combining Decision Support System-Generated Recommendations with Interactive Guideline Visualization for Better Informed Decisions". *AIME 2015*, Pavia, June 2015.

6. E. Parimbelli, S. Quaglini, C. Napolitano, S. Priori, R. Bellazzi, and J. H. Holmes, "Use of Patient Generated Data from Social Media and Collaborative Filtering for Preferences Elicitation in Shared Decision Making," in *AAAI Fall Symposium Series*, 2014.

7. A. González-Ferrer, M. Peleg, E. Parimbelli, E. Shalom, CM. Lagunar, G. Klebanov, I. Martínez-Sarriegui, N. Fung, and T. Broens, "Use of the Virtual Medical Record Data Model for Communication among Components of a Distributed Decision-Support System," in *Proceedings of 2nd IEEE Biomedical and Health Informatics International Conference*, Valencia, 2014.

8. L. Sacchi, C. Rognoni, S. Rubrichi, S. Panzarasa, and S. Quaglini, "From Decision to Shared-Decision: Introducing Patients' Preferences in Clinical Decision Analysis - A Case Study in Thromboembolic Risk Prevention," in AIME2013, Murcia, Spain.

9. S. Quaglini, Y. Shahar, M. Peleg, S. Miksch, C. Napolitano, M. Rigla, A. Pallàs, E. Parimbelli, and L. Sacchi, "Supporting shared decision making within the MobiGuide project," *AMIA Annu Symp Proc*, vol. 2013, pp. 1175–1184, 2013.

10. G. Lanzola, S. Quaglini, E. Parimbelli, A. Cavallini, E. Tartara, and G. Micieli, "Monitoring Patients' Enrolment and Performance Indicators in a Web Stroke Register," in *24th International Conference of the European Federation for Medical Informatics Quality of Life through Quality of Information*, Pisa, 2012.

Abstracts presented at national conferences

1. E. Salvi, E. Parimbelli, L. Sacchi, and S. Quaglini, "Supporting utility coefficient elicitation in a shared-decision making context," in *GNB 2016*, Naples, 2016.

2. G. Fizzotti, E. Parimbelli, C. Pistarini, C. Rognoni, G. Olivieri, and S. Quaglini, "UceWeb: un'applicazione per la valutazione della qualità di vita nelle persone con lesione midollare," in XVII Congresso Nazionale SIMS - società italiana midollo spinale, Genova, 2016, p. 34.

3. E. Parimbelli, L. Sacchi, A. Mazzanti and S. Quaglini, "Collecting and sharing quality of life data through a collaborative platform: UceWeb" in *GNB 2014*, Pavia, 2014.

ATTENDACE TO NATIONAL AND INTERNATIONAL SCIENTIFIC CONFERENCES

AMIA 2016 annual symposyum, 12 Nov – 16 Nov 2016, Chicago, IL, USA
Medico-legal issues in decision support systems and telemedicine, 2 Dec 2015, Pavia, Italy
15th Conference on Artificial Intelligence in Medicine AIME 2015, 17 Jun – 21 Jun 2015, Pavia, Italy
Value Based medicine in Oncology, 4 May 2015, INT (National Tumor Institute), Milan, Italy
AMIA 2014 annual symposyum, 15 Nov – 19 Nov 2014, Washington DC, USA
AAAI fall symposyum HIAI track, 13 Nov-15 Nov 2014, Arlington, VA, USA
mHealth – Enhancing cancer supportive care. 4 Apr 2014, SDA Bocconi, Milan, Italy
14th Conference on Artificial Intelligence in Medicine. AIME 2013. 29 May – 1 Jun 2013, Murcia, Spain

SUPERVISED THESES

1. Co-supervisor for Salvi E. "Decision support for the elicitation of quality of life data: new functionalities for the UceWeb tool". MS thesis, University of Pavia, 2016.
2. Co-supervisor for Pantano P. "Sentiment analysis for the evaluation of quality of life in atrial fibrillation patients". BS thesis, University of Pavia, 2016.
3. Co-supervisor for Rizzo E. "The Mobiguide Project: integration of advanced components in the care-providers interface". MS thesis, University of Pavia, 2014.
4. Co-supervisor for Spalla D. "Design of a Electronic Health Record model compliant to the HL7 vMR standard". MS thesis, University of Pavia, 2013. Winner of the HL7 Italia best thesis award (1st edition, 2014)
5. Co-supervisor for Gorrini R. "A web interface for quality of life data acquisition" . MS thesis, University of Pavia, 2013

REFERENCES CONTACT INFORMATION

Prof. Mor Peleg, University of Haifa, peleg.mor@gmail.com (PI of MobiGuide project where I participated)

Prof. John H. Holmes, University of Pennsylvania, jhholmes@mail.med.upenn.edu (sponsor of my visiting research period at Upenn)

Prof. Silvana Quaglini, University of Pavia, silvana.quaglini@unipv.it (PhD Advisor)

Prof. Riccardo Bellazzi, University of Pavia, riccardo.bellazzi@unipv.it (PhD program chair)