

Irene Lasorsa

Biomedical/Clinical Engineer

Languages: Italian (native), English (IELTS 7, June 22nd, 2013)

email: irene.lasorsa@gmail.com, **skype:** irene.lasorsa, [linkedin.com/in/irenelasorsa](https://www.linkedin.com/in/irenelasorsa)

Professional Statement

I have five years of experience as a clinical engineer/consultant in different hospitals in both Italy and overseas (National University Hospital in Singapore, Stanford Hospital and Clinics in California). I have focused on Quality Systems, Hospital Risk Management and Patient Safety. I like practical work, but I am also immersed in scientific research in the field, especially concerning Hospital Process Improvement and Health Technology Assessment.

Key Strengths

- Extremely practical, good at solving problems
- Experienced multidisciplinary team worker
- Passion, and curiosity
- Independent, driven, and resilient
- Analytical, and open-minded
- Motivated, and a good motivator

Professional Experience	“Biovalley Investments” , <u>Trieste, Italy</u> <i>Private Limited Company</i> Clinical Engineer <ul style="list-style-type: none">• Project Manager	Feb 2017 – Today biovalleyinvestments.it
	“ITS Alessandro Volta” , <u>Trieste, Italy</u> <i>Technical Institute of Higher Education</i> <ul style="list-style-type: none">• Lecturer of “Healthcare processes modeling” (30 h per year)• Member of the Students Selection Committee	Sep 2014 – Today itsvolta.it
	“University of Trieste” , <u>Trieste, Italy</u> <i>University</i> PhD Student (<i>thesis on “Technology and service assessment tools in healthcare” to be discussed in May 2017</i>) <ul style="list-style-type: none">• Researcher on Hospital Process Improvement and Health Technology Assessment• Manager/Coordinator of European Project proposals (PHAMA, GamyCare)• Advisor of Master Degree theses in Clinical Engineering	Jan 2014 – Today units.it
	“F. Miulli” , <u>Acquaviva delle Fonti (Bari), Italy</u> <i>General Hospital</i> Lean Project Intern <ul style="list-style-type: none">• Managed a lean project on improving processes regarding surgical tools• Responsible for hospital needs assessment: identified critical points for process improvement	Jul 2013 – Oct 2013 miulli.it
	“ExploraMed” , <u>Mountain View, California</u> <i>Medical Device Incubator</i> Marketing, Research and Risk Intern <ul style="list-style-type: none">• Collaborator for scientific and industrial research into the development of medical devices and marketing• Risk assessment analyst, using FMEA and other laboratory tests to achieve FDA certification	Oct 2012 – May 2013 exploramed.com
	“Stanford Hospital and Clinics” , <u>Stanford, California</u> <i>Hospital</i> Quality, Patient Safety and Effectiveness Intern <ul style="list-style-type: none">• Assisted with patient and staff needs’ assessment• Responsible for identifying best practice for fall prevention• Redesigner for hospital falls Reporting System• Incident Reporting data analyst – presented findings to top managers	Oct 2012 – May 2013 stanfordhospital.org

“QIRIS - Quality Innovation Research Instruction Safety”, Italy
Non Profit Association

Mar 2009 – Mar 2012
qiris.org

Co-Founder, President and COO

- Operations Director responsible for meeting budget and organisational goals
- Participated in acquisition and growth activities to support overall business objectives and plans
- Continuous quality improvement process manager and leader
- Undertook scientific research projects related to patient safety

“I.R.C.C.S. Neurological Institute Carlo Besta”, Milan, Italy
Scientific Institute for Research, Hospitalization and Health Care

Feb 2008 – Feb 2012
istituto-besta.it

Quality and Risk Management Assistant, Internal Audit Team Leader, Senior Trainer ISO 9001:2008

- Responsible for leading and managing process improvement projects to create a culture of quality and safety
- Responsible for identifying and creating strategies for people performance and logistics improvement
- Responsible for defining, monitoring and achieving Key Performance Indicators
- Responsible for investigating quality of services
- Design, implementation, monitoring and improvement of Quality Management System, Risk Management, Patient Safety and Joint Commission International programs
- Developer of Standard Operating Procedures for most wards and support units
- New staff trainer on Quality, Joint Commission International, Patient Safety programs and values
- Conducted internal audits and planning and conduction (as Team Leader)
- Responsible for hospital quality program and accreditation for ISO 9001:2008

Project Manager Junior

- Plan and lead projects such as Patient Safety in the Operating Theater: applied JCI standards to Innovative Technologies and created innovative solutions for internal audit management

Database developer, data analyst

- Patient Safety and Quality projects, designer, developer and maintainer (in Access, Excel, VBA) (i.e. WHO Surgical Safety Checklist; ISO9001:2008 Audit management; Operative Report meeting JCI standards). Responsible for data collection and statistical analysis.
- Hospital Intranet WordPress website developer

“National University Hospital”, Singapore
Hospital

Jul 2009 – Sep 2009
nuh.com.sg

Clinical Quality Executive

- Analyzed Fall Risk Assessment protocol, JCI, ISO projects, evaluated and planned interventions and countermeasures
- Performed statistics on fallers' data: including an epidemiological study and Fall Risk Assessment protocol effectiveness evaluation
- Verified the deployment of the fall prevention protocol in the Institute and identified areas in which the application needed further support

National Health Service, Rome, Italy
Pediatric Ambulatory

Mar 2007 – Dec 2007

Medical Administrative Assistant

- Responsible for archiving and optimizing a Pediatric Clinic

“Neurophysiopathology Laboratory at S. Lucia”, Rome, Italy
Scientific Institute for Research, Hospitalization and Health Care

Jan 2007 – Sep 2007
hsantalucia.it

Intern

- Researcher in Brain Computer Interface and Human-Computer Interaction

Education

University of Trieste, Italy

Oct 2013

Master Degree in Clinical Engineering. Final mark: 107/110

Thesis on “Lean Management driven reengineering of a Surgical Tools Management Process”

CINEAS, Politecnico/University of Milan

Oct 2008

Advanced Master in Hospital Risk Management. Final mark: magna cum laude

Thesis on “A Pervasive Solution for Risk Awareness in the context of Fall Prevention”

University of Rome “La Sapienza”, Italy

Sep 2007

Bachelor of Science in Clinical Engineering. Final mark: 97/110

Thesis on "Multimodal evoked potential stimulation in the context of P300 Brain-Computer Interaction"

Certification	IELTS , overall result 7 (British Council)	Jun 2013
	Lead Auditor ISO 9001 , IMQ - CEPAS e AICQ-SICEV certificated (IMQ , Milan, Italy)	Oct 2011
Awards	€ 16.700 "Progetto Professionalità - Fondazione Banca del Monte di Lombardia" overseas funding grant, for a 6 months collaborative visiting Fellowship in California 2011/2012	2011
	€ 1.500 Winner of the award "L'innovazione tecnologica per la gestione del rischio in sanità" by Gutenberg Healthcare Safety	2011
	€ 3.000 Winner of the award "Premio 2010 per la ricerca medico-scientifica in ambito di Direzione Sanitaria" by Associazione Nazionale Medici Direzioni Ospedaliere (A.N.M.D.O.) for the work "User Evaluation of Multifaceted Activity Monitoring System of Fall Prevention"	2010
	€ 5.000 "Best thesis award" by Advanced course in Hospital Risk Management, CINEAS, Milan (Italy) for the work "Fallarm: una soluzione tecnologicamente avanzata al problema delle cadute accidentali"	2008
Other lecturing Experiences	Polytechnic University of Tirana, Master in Clinical Engineering , Tirana, Albania "Organization of clinical engineering services" (42h)	2014
	University of Primorska, Spring School in "ICT, economical and organizational issues for e-health integration in the enlarged Europe" , Koper, Slovenia "Health Technology Assessment" (1h 30m)	2014
	LUM University, School of Management , Master in MACOPS - "Management of Health Professions Coordination", Casamassima (BA), Italy "Technological Innovation Screening and HTA" (5h)	2012
	LUM University, School of Management , Master in MACOPS - "Management of Health Professions Coordination, Casamassima (BA), Italy "Sentinel Events" (5h)	2012
	CINEAS, Polytechnic of Milan , Italy "Innovative approaches for Patient Safety" (1h30m)	2010
	AIRISS, Polytechnic of Milan , Italy "Planning a multidisciplinary strategy for prevention of accidental falls" (4h)	2009
Volunteering	"Radio e Non Solo" <i>Civil defense, Rome, Italy</i> • Sports and general events security • Ambulance care assistant	Sep 2005 – Apr 2007 rnsroma.it

List of publications

Peer reviewed journals

- I. Lasorsa, P. D'Antrassi, M. Ajčević, K. Stellato, A. Di Lenarda, S. Marceglia, A. Accardo, "Personalized support for chronic conditions: a novel approach for enhancing self-management and improving lifestyle", *Applied Clinical Informatics* (2016, Vol 7, No. 3, pp. 633-645)
- F. Aloise, I. Lasorsa, F. Schettini, A. Brouwer, D. Mattia, F. Babiloni, S. Salinari, M. Marciani, F. Cincotti: "Multimodal stimulation for a P300-based BCI", *International Journal of Bioelectromagnetism* (2007, Vol. 9, No. 3, pp. 128-130)

Book chapter

- S. Marceglia, S. Ferrante, S. Bonacina, F. Pincioli, I. Lasorsa, C. Savino, G. Pozzi: "Domains of health-IT and tailoring of evaluation: practicing process modeling for multi-stakeholder benefits" in the book "Evidence-Based Health Informatics - Promoting Safety and Efficiency through Scientific Methods and Ethical Policy", *Stud Health Technol Inform 122*, IOS Press, Amsterdam (2016) (*in press*)

International Conferences

- I. Lasorsa, M. Ajčević, P. D'Antrassi, G. Carlini, A. Accardo, S. Marceglia: "Promoting Health for Chronic Conditions: a Novel Approach that integrates Clinical and Personal Decision Support", 39th International Convention on Information and Communication Technology, Electronics and Microelectronics, MIPRO, Opatija, Croatia (2016)
- I. Lasorsa, G. Abis, B. Podda, A. Accardo: "Multi-criteria decision analysis to redesign an Italian Clinical Engineering Service under specific needs and regulation requirements". In: *IFMBE Proc.*, World Congress on Medical Physics and Biomedical Engineering. Springer International Publishing, 2016. Toronto, Canada (2015) (**Selected as finalist for the IFMBE Young Investigators Award**)
- I. Lasorsa, G. Liuzzi, R. Calabrese, A. Accardo: "An innovative method for standardizing lean management approach in hospitals". In: 16th Nordic-Baltic Conference on Biomedical Engineering. Springer International Publishing, 2015. Goteborg, Sweden (2014)
- R. Calabrese, J. Baldini, I. Lasorsa, A. Accardo: "Planning of maintenance for medical devices through a workload redistribution in a Clinical Engineering Service". 16th Nordic-Baltic Conference on Biomedical Engineering. Springer International Publishing, 2015. Goteborg, Sweden (2014) (**Selected as finalist for the Young Investigators Award, by Springer and IFMBE**)
- N. Caporusso, I. Lasorsa, O. Rinaldi, and L. la Pietra, "A Pervasive Solution for Risk Awareness in the context of Fall Prevention" in *Proceedings of the 3rd IEEE International Conference on Pervasive Computing Technologies for Healthcare* (2009)
- I. Lasorsa, N. Caporusso, O. Rinaldi, L. la Pietra, L. Lunghi, S. Lai, M. Monturano: "User Evaluation of Multifaceted Activity Monitoring System of Fall Prevention", 19th International Conference of ISPGR (International Society for Posture and Gait Research), Italy (2009)

National Congresses

- P. D'Antrassi, I. Lasorsa, A. Accardo: "HTA per l'acquisizione di dispositivi medici nei Paesi del Sud del Mondo" (HTA for the uptake of medical equipment in Developing Countries), XVI Convegno Nazionale AIIC, Bari, Italy (2016)
- I. Lasorsa, A. Accardo: "Analisi multicriterio per rispondere ai bisogni delle strutture sanitarie nei Paesi del Sud del Mondo" (Multicriteria analysis for addressing healthcare organizations needs in Developing Countries), XV Convegno Nazionale AIIC, Cagliari, Italy (2015)
- I. Lasorsa, A. Formentelli, A. Accardo: "Health Technology Assessment of Pulmovista 500®". VII National Congress SIHTA. Rome, Italy (2014)
- I. Lasorsa, G. Liuzzi, A. Accardo: "Ottimizzazione del processo di gestione dei ferri chirurgici mediante l'applicazione del Lean Management" (Lean Management driven optimization of a Surgical Tools Management Process), XIV Convegno Nazionale AIIC. Venice, Italy (2014)
- I. Lasorsa, N. Caporusso: "Fallarm: prevent and protect from falling". XII Convegno Nazionale AIIC. L'Aquila, Italy (2012)
- I. Lasorsa, et al.: "Analisi della completezza e congruenza della checklist per la sicurezza in sala operatoria", 6° Forum Risk Management in Sanità, Arezzo, Italy (2011)
- N. Caporusso, I. Lasorsa, "Mode Confusion Cognitive Modeling in life-critical Standard Operating Procedures tasks", 7th Annual Workshop of AISC (2010)
- L. Pignataro, G. Brazzoli, A. Orzella, I. Lasorsa, G. De Leo: "la gestione del rischio in Blocco Operatorio" (Risk management in Operating Theatre) presented at III National Congress AIDOS (International Federation of Health Records Organization), Perugia, Italy (2008)