



Luciano MIRARCHI

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Formazione, attività scientifica e/o professionale

- (1990) Laurea in ingegneria Elettronica – Aldermaston College – Berkshire (UK)
- (1990) Membro The Society of Engineers (UK)
- (2011) Chartered Engineer – Engineering Council UK
- (1982 – 2021) – Siemens Healthcare - Service Area Manager e specialista di prodotto per Risonanza Magnetica, TC , Medicina Nucleare – Education Manager
- (2021 -2023) Industrial Consulting Engineering Ltd (UK) – Technical Manager

Attività didattica universitaria

- (2002 – 2013) professore a Contratto presso l' Università degli Studi di Verona – Facoltà di Medicina e Chirurgia - ING-INF/05 e ING-INF/07.
- (2006-2012) professore a Contratto presso l' Università degli Studi “Federico II “ di Napoli – Facoltà di Ingegneria – Strumentazione per l'apparato cardiovascolare, la neurologia e gastroenterologia - ING-INF/06
- (2013 – 2023) Professore a Contratto presso l'Università Campus Biomedico di Roma – Corso di Laurea Magistrale in Ingegneria Biomedica – Docente di “Strumentazione per la diagnostica in Medicina Nucleare” ING-IND 34 – ING-INF 06
- (2019 – 2023) Visiting professor presso Reykjavik University – Islanda – biomedical engineering
- (2019 -2020) Visiting professor presso Warwick University – UK
- (2023) Visiting professor presso Aston University – Birmingham UK

Ulteriori esperienze e informazioni

Progetti di Ricerca: Dal settembre 2006 al Dicembre 2007 partecipa al progetto di ricerca finanziato dalla Comunità Europea - IntraMEDnet - A Mediterranean Research and Higher Education Intranet in Medical and Biological Sciences .



Pubblicazioni scientifiche

A Standard Protocol Proposal for Reliable and Time-Saving Shielding Effectiveness Measurements for MRI Faraday Cages

Luciano Mirarchi , Valentina Giaquinto , Sergio Silvestri and Rita Massa
The Open Biomedical Engineering Journal - Vol.14 – 2020

Analysys of Measurement Methods for Static Magnetic Field Uniformity Assessment in Clinical Magnetic Resonance Imaging

Giovanni Verducci, Sergio Silvestri , Luciano Mirarchi
2018 IEEE International Symposium on Medical Measurements and Applications (MeMeA)Jun 2018

B1 L Pecchia, P Melillo, C Vanzanella, L Mirarchi, M Bracale (Accepted, October 2012). Health Technology Assessment via Analytic Hierarchy Process. A case study: choosing the maintenance contract for a CT. In Studies in Fuzziness and Soft Computing, ed. Springer.

User needs elicitation via analytic hierarchy process (AHP). A case study on a Computed Tomography (CT) scanner
Leandro Pecchia , Jennifer L Martin , Angela Ragozzino , Carmela Vanzanella , Arturo Scognamiglio ,Luciano Mirarchi and Stephen P Morgan
BMC medical informatics and decision making 2013 13/2
<http://www.biomedcentral.com/1472-6947/13/2>

The preservation of the CE mark for a medical device further to a maintenance process
Pecchia, L. Carpino, G. Mirarchi, L. Bracale, M.
Information Technology and Applications in Biomedicine, 2009. ITAB 2009. 9th International Conference on
Date:4-7 Nov. 2009 Print ISBN: 978-1-4244-5379-5
Digital Object Identifier: 10.1109/ITAB.2009.5394381
Date of Current Version: 22 gennaio 2010

Adaptive removal of gradients-induced artefacts on ECG in MRI: a performance analysis of RLS filtering
M. Sansone, L. Mirarchi, M. Bracale
Medical and Biological Engineering and Computing, 2010
DOI 10.1007/s11517-010-0596-z

Evaluation of the image quality of a new MRI technology
M. Sansone , L. Mirarchi , L. Scatto , R. Fazio , and M. Bracale
Medicon Proceeding 2010,

An e-learning experience for medical education in Mediterranean countries
C. Brancaleone , R. Tranfaglia , L. Mirarchi and M. Bracale
Medical Physics and Biomedical Engineering World Congress 2009, September 7-12, Munch. Proceeding: 1-4.

A setup for checking electromagnetic interference between implantable cardiac pacemaker and RFID UHF
R. Tranfaglia , M.Sansone , A. Santise , L.Mirarchi , M.Bracale
Medical Physics and Biomedical Engineering World Congress 2009, September 7-12, Munch. Proceeding: 1-4.

Health Technology Assessment for a Service Contract: a new method for decisional tools.
Leandro Pecchia , Luciano Mirarchi , Roberto Doniacovo, Valeria Marsico, Marcello Bracale.
Medical Physics and Biomedical Engineering World Congress 2009, September 7-12, Munch. Proceeding: 1-4.



Development, teaching and evaluation of web-based biomedical courses in Universities of Mediterranean area
C. Brancaleone, R. Tranfaglia, M. Sansone, L. Mirarchi e M. Bracale
International Journal of Engineering Education vol. 25- 2009 n. 4

Electromagnetic interference between implantable cardiac pacemaker and UHF RFID
R. Tranfaglia, M. Sansone, A. Pepino, L. Mirarchi, M. Bracale
Journal of Medical Engineering & Technology vol.33-2009 n.5

Assessment of quality control in US: a web service for preventive maintenance
L. Pecchia, L. Mirarchi, S. Torino, M. Bracale
International Journal of CARS (2008) 3 (Suppl. 1):S9-S10.

Dynamic preventive maintenance triggered by utilization data: a case study for MRI equipment,
L. Pecchia, L. Mirarchi, R. Doniacovo, N. Paolino, M. Bracale.
6th ESBME, Chania, Crete, Ellas June 2008. Proceeding: 1-4.

Analytic Hierarchy Process (AHP) for Health Technology Assessment (HTA). A case study for selecting a maintenance service contract
L. Pecchia, L. Mirarchi, P. Melillo, M. Bracale,
Conference on Multicriteria and multiagent decision making, social and economical applications, Naples (Italy), 26-27 November 2010.

Health Technology Assessment via Analytic Hierarchy Process. A case study: choosing the maintenance contract for a CT
L. Pecchia, L. Mirarchi, P. A. Bath, R. Doniacovo, M. Bracale
Mediterranean Conference on Medical and Biological Engineering (MEDICON) 2010,
Chalkidiki (Greece), 27-30 May 2010. IFMBE Proceedings: 1-4.

LIBRI :

Principi di imaging a risonanza magnetica
Luciano Mirarchi, Luciano Scatto
Ed. Cortina (2009) ISBN 9788877491619

Le sequenze veloci in risonanza magnetica
Luciano Mirarchi
Ed. Cortina (Verona) ISBN 9788877491510

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