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Bellazzi Riccardo

Quaglini Silvana

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Quaglini Silvana



Born in Corvino San Quirico (PV) on February 17th, 1957

Dipartimento di Ingegneria Industriale e dell'Informazione

Università degli Studi di Pavia

Via Ferrata 1 27100 Pavia (Italy)

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fax: +39-0382-525638

Current Position

Full Professor of Health Care Information Systems Università degli Studi di Pavia, Italy

Academic Degree

1981 Laurea cum laude in Electronic Engineering at the University of Pavia, Italy

Appointments

1989-1992 Researcher at the Università degli Studi di Pavia, Pavia, Italy

1992-2011 Associate Professor of Health Care Information Systems

Research Interests

Her research interest in general is about decision support systems in medicine and more particularly on basic areas such as decision theory, clinical process modeling, artificial intelligence, probabilistic systems, biomedical statistics, knowledge acquisition. Application areas include support systems for diagnosis, therapy and monitoring, such as computerized guidelines, economic evaluation models based on decision analysis, telemedicine systems and workflow management within healthcare organizations. The main medical areas covered by such applications are stroke, chronic diseases, cardiovascular risk, motor and cognitive rehabilitation. The recent push toward personalized medicine has focused the latest applications on the "shared decision making" and "context-aware home-monitoring patients".

Academic Teaching

Courses

1992-today Health Care Information Systems

1994-today Medical Informatics

PhD Programs

1997-today Committee, PhD program in Bioengineering and Bioinformatics, University of Pavia, Pavia, Italy

Responsibilities

1996-2000 Campus Project: Quality Control Responsible for the curriculum of the Diploma in Biomedical

Research Grants

A. National Projects (MIUR-PRIN)

1994	Informatica medica
1995	Dynamical Models of microarrays gene expression data (PRIN), Unit P.I.
1996	Sistemi informativi sanitari basati su agenti
1998-1999	Una architettura basata su agenti a supporto del lavoro cooperativo in medicina

Ministero della Salute

1997	La malattia cerebrovascolare ischemica: impatto socio-economico, linee guida diagnostico-terapeutiche ed indicatori di outcome. Studio pilota in quattro province della Regione Lombardia
2001	Nuove modalità di rapporto pubblico-privato

Fondazione Banca Regionale Europea

2001	Un sistema informativo per la gestione dei percorsi diagnostico-terapeutici dei pazienti con patologia cerebrovascolare nel territorio della Provincia di Pavia
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B. EU Projects

1999-2002	GAMES I: a General Architecture for Medical Expert Systems
1992-1994	GAMES II: a General architecture for Medical Expert Systems
1996-1998	HC-ReMa: health care resource management
1996-1999	T-IDDM: Telemanagement of insulin dependent diabetic mellitus patients
1998-1999	ProGuide: building and disseminating of medical guidelines
1998-2000	PATMAN: Patient Management
2001-2003	HOMEY: Home Monitoring through Intelligent Dialog System

Organization of Scientific Events

Member of the Program Committee for AIME (biennial conference). Scientific Chairman of the AIME '2001.

International and National Organizations

Artificial Intelligence in Medicine Europe (AIME)
Società Scientifica Italiana di Informatica Biomedica (SIBIM), Presidente
Italian Stroke Organisation (ISO)
GNB (Group National Bioengineering)
She regularly serves as reviewer for the international conferences AMIA and MEDINFO, and several EFMI conferences.
She is member of the TTRAM group for the HealthTechnology Assessment at the Lombardia Region.

Awards

Second prize at the ECSC (Enhancing in cancer supportive care) m-health app award 2015, funded by Helsinn, with the project "HeNeA, an app for head&neck cancer home-patients"
Swiss Bridge award for cancer research, with the project "An economic evaluation of two follow-up strategies for head&neck cancer", in collaboration with the National Cancer Institute of Milan (2013)
Poster award "A. Liberati" at the Strokeforum Conference 2012 with the work "A new functionality for the SUN-LOMBARDIA registry: monitoring patients' enrolment and performance indicators"
Student paper award "M.Stefanelli and M. Ramoni" (co-author) AIME Conference 2011 (Bled, Slovenia) with the work "Extracting information from summary of product characteristics for improving drugs prescription safety"
Best poster award (3rd prize) at Medinfo 2010 (Cape Town, South Africa) with the work "Applying process mining techniques to analyze clinical processes"

Third best paper at Hipponion Stroke National Prize (Vibo Valentia 2008), with the work "Assessing compliance with SPREAD guidelines and its correlation with outcomes from the SUN register data"

best paper award at MIE- Medical Informatics Europe 1999 (Lubiana), with the work "A computerised guideline for pressure ulcer prevention."

Publication list

Laboratory for Bio-Medical Informatics - 2009