

Luca Piovesan

PERSONAL DATA

Born in Turin

Lives in Turin

Telephone: +39 0116706724

BIO AND EDUCATION

Luca Piovesan is currently a temporary research fellow at the Department of Sciences and Technological Innovation (DISIT) of the University of Eastern Piedmont.

He has obtained the Ph.D. at the University of Turin on the 24th of February 2016 with a thesis entitled "A Mixed-Initiative Knowledge-Based Decision Support Methodology for the Management of Patients affected by Comorbidities".

He has obtained his Master Degree at the University of Turin on the 18th October 2012.

UNIVERSITY CAREER

2016-	Temporary Research Fellow, University of Eastern Piedmont
2013-2016	Ph.D. student, University of Turin

MAIN FIELDS OF INTEREST

1. Artificial Intelligence
2. Medical Informatics
3. Knowledge Representation
4. Reasoning
5. Temporal Databases

CURRENT ISSUES OF RESEARCH

1. Decision Support for Patients affected by Comorbidities

By definition, clinical guidelines address specific clinical circumstances (i.e., specific diseases). However, unfortunately, specific patients may be affected by more than one disease. The treatment of patients affected by multiple diseases (comorbid patients) is one of the main challenges for modern healthcare, also due to population aging and the increase of chronic

diseases. Thus, there is the need of providing physicians with decision support tools helping them in the management of comorbid patients.

TOP FIVE PAPERS

1. Luca Piovesan, Gianpaolo Molino, Paolo Terenziani, An ontological knowledge and multiple abstraction level decision support system in healthcare, 2014, *Decision Analytics* 1(8), pp. 1-24. Springer.
2. Luca Anselma, Luca Piovesan, Paolo Terenziani, A 1NF temporal relational model and algebra coping with valid-time temporal indeterminacy, 2015, *Online First at Journal of Intelligent Information Systems*, Springer.
3. Luca Piovesan, Luca Anselma, Paolo Terenziani Temporal Detection of Guideline Interactions, 2015, *Proceedings of 8th International Conference on Health Informatics (HEALTHINF)*, pp. 40-50. Science and Technology Publications (SCITEPRESS).
4. Luca Anselma, Luca Piovesan, Paolo Terenziani A General Approach to Represent and Query Now-Relative Medical Data in Relational Databases, 2015, *Proceedings of 15th Conference on Artificial Intelligence in Medicine (AIME)*, pp. 327-331. *Lecture Notes in Computer Science* 9105. Springer.
5. Luca Piovesan, Paolo Terenziani A Mixed-Initiative approach to the conciliation of Clinical Guidelines for comorbid patients, 2015, *Knowledge Representation for Health Care/Process Support and Knowledge Representation in Health Care (KR4HC/ProHealth)*.