

Philippe AMELINE

42 years old - Married, 2 children
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Engineer Ecole des Mines (Saint-Etienne 1983)
Fluent in English, can read some German

Project and company management

Leader of Odysée – Ligne de vie open source project for continuity of care
20 years of experience in health information systems

Profile

Team and project manager
Knowledge management specialist
Health information and communication systems expert

Nautilus

- Since 2001 **Odysée** (open source project): allows patients' follow up as a project management system.
- Due to *Unified model* techniques (improved as *Extended unified Model*) and the *Ligne de vie* (Life line) interface, we made it possible to get an intuitive vision of a person's health journey and use "health goals" to prepare his future.
 - Odysée's rights management system (the Odysée's roses) is currently the basis of French DMP. Odysée is the only explicitly mentioned system in DMP call for proposals.
- 1995 – 2001 **Unified model**: a technique that enables the description of any health information in a structured and semantically consistent mode.
- We created an ontology of 50 000 terms, built the data model and the man machine interfaces to use it.
 - We adapted this technique to our endoscopy and echocardiography report generation systems.
- December 1991 **Creation of NAUTILUS**. Management of the company and the technical staff (up to 8 persons).
- Since 1985 **Report generation systems**: an accurate domain modeling (why do we make this exam, what are the technical conditions, what are the possible findings) allows for a structured information collect, this information is stored in a database and transformed at will into a ready to sign report by a natural language synthesis system.
Such systems are at work for digestive endoscopy and echocardiography in more than 150 hospitals, including most of Paris *Assistance Publique* facilities, and many private sites.

Knowledge management

- Domains** Follow up of complex systems over time
History of decision making
Natural language synthesis
Knowledge sources federated by a Blackboard (we adapted Stanford's famous BBK)
- Collaborations** Prime contractor of a research project with INRIA and SPIM laboratory (Pr Degoulet)
Co-Management of a thesis student, she got a publication for AMIA 2005

Health domain expert

On the ground A 20years experience, mainly in the field of expertise capture and a strong relational network

And more European Community Expert (projects reviewer)
Originator of innovative solutions for communication between patient and doctors
These concepts enable the creation of useful **collective continuity of care systems**, in order both to assist the MD and to enable any citizen to manage his/her health as a project over time
International relationships (mainly inside the open source community)

Interests/Hobbies

All terrain biking, sailing
Artificial intelligence and robots