Hyper-Learning

An integrated project involving humanities, industrials and computer scientists

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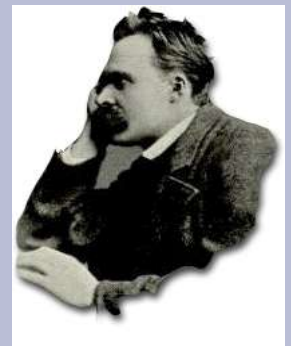Laboratoire d'informatique de Paris Nord (LIPN), Univ. Paris Nord, France

Summary

1. HyperNietzsche (the origin)

2. HyperLearning

3. Topics of the computer science research branch of HyperLearning
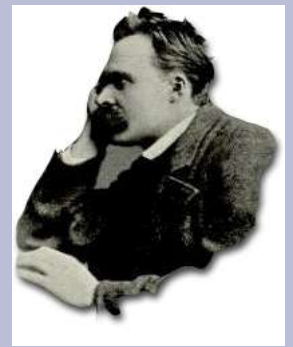
HyperNietzsche
project
www.hypernietzsche.org

- Initiated by the *Institut des Textes et Manuscrits* (ITEM), ENS Paris, since 1998

- The idea: create an advanced research infrastructure for philosophers studying Nietzsche

  - taking advantage of internet and WWW

  - enabling a decentralized community of experts to work in a cooperative and cumulative way

HyperNietzsche
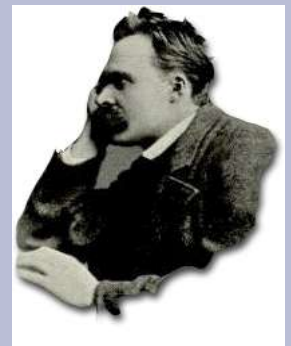
project
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- some screenshots

HyperNietzsche

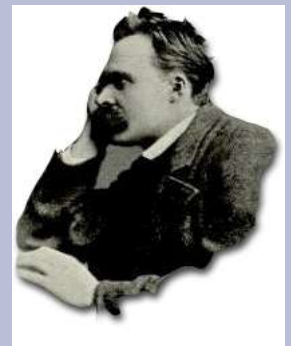**project**
www.hypernietzsche.org

- From the philosopher's point of view

    - a great cooperative infrastructure
    - facilities for access to primary and secondary sources
    - a copyleft and peer-reviewed editor

- From the developer's point of view

    - a real complex application running over http
    - a quite big database encoding many kinds of semantics relationships

HyperNietzsche

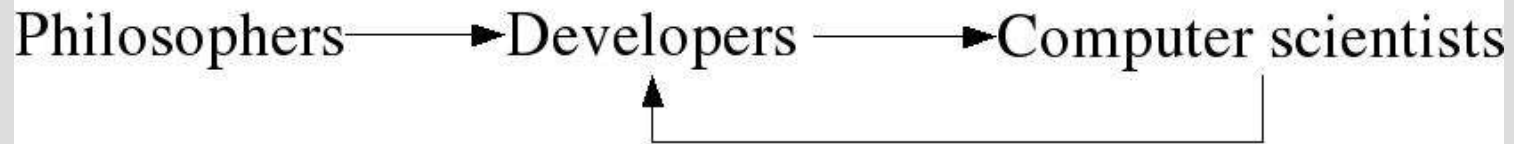**project**
www.hypernietzsche.org

History

- Starts in 1998

- Online since 2001

- Awarded with the *Sofia Kovalevskaja Award* of the *Alexander von Humboldt Stiftung*, 2001

- Financed by

  - French CNRS

  - French Ministry of Research

  - German Ministry of Education and Research

  - German *DeutscheForschungsGemeinschaft*

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The idea (2002)

- generalize hyperNietzsche to others philosophers or authors

- add e-learning features for graduate students

- add a computer science research axis

Philosophers ⟶ Developers ⟶ Computer scientists

- philosophers need implementations
- developers need high-level programming tools and/or languages
- computer scientists may need implementations

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Objectives of the CS research branch

- Take advantage of the functional programming approach in programming web-sites. Investigate for tools or specific language, in order to:

  - solve the stateless problem of http (=>continuations)

  - have a static control (i.e. type checking)

    - of global behaviour of the site (the program)
    - of html/xml generation and transformation
    - of persistent data manipulations (database access)

  - have a unified approach for server- and client-side programming

  - have some formal operational or denotational semantics (for interactions, persistence, concurrency => pi-calculus)

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The IP first consortium (2003)

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Funding

- During 2003, Hyper-Learning has been submitted as Integrated Project within the 6th Framework Program of the European Union

    - aimed for 12,5 millions of Euro

        - for 30 partners of 12 european countries

    - had been well received over the scientific evaluation

        - in the first 5 ranked projects (among 33)

        - 24 points ex-aequo, resulting the second ranked project with only half point behind the best ranked project

    - but had not been financed

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Funding

- French CNRS currently supports a « Groupement de Recherche Européen » (GDRE)

  - 100.000 Euro each year for 4 years

  - for workshops, meetings, travels, etc

- COST Intergovernmental Framework for European Co-operation in the field of Scientific and Technical Research

  - 70.000 Euro each year for 4 years

  - only for travels

  - at disposal of the GDRE partners

- The GDRE involves more than 130 persons