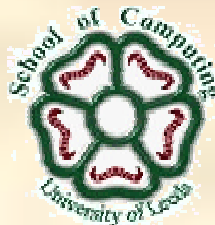


EDUKALIBRE – The Leeds Team

School of Computing,
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<http://www.comp.leeds.ac.uk>



Julika Matravers

◆ Background

- MSc in Information Systems,
London School of Economics
- PhD in Intelligent Tutoring Systems,
London School of Economics

◆ Research interests

- Intelligent tutoring systems
- Computer-supported collaborative learning
- Development and management of information systems

Vania Dimitrova

◆ Background

- MSc in Mathematics & Comp. Science, Sofia, Bulgaria
- PhD in Artificial Intelligence in Education, Leeds University

◆ Research interests

- Intelligent tutoring systems
- Human-computer interaction
- Knowledge representation and reasoning

E-Learning research at Leeds

- ◆ **The Informatics Network**

 - Strategic initiative at Leeds University

 - Multidisciplinary research

 - School of Computing** hub

 - Partner departments:

 - (Engineering, Biology, Geography, Health, **Education**)

- ◆ **The e-Learning research stream**

 - Computing:** Interactive Learning Systems & NLP

 - Education:** ICT in Education

- ◆ **E-Learning experimental lab**

Expected contribution

- ◆ **Pedagogical studies** for gathering design requirements and coordination of the software evaluation
- ◆ Collaboration with other groups in **development of new products** needed by the project
- ◆ **Development and evaluation of educational material** within the environment of the project

Pedagogical studies: Design

Use pedagogies to derive design principles

Define set of tools that are needed for each pedagogy

Empirical studies to draw design requirements

Pedagogical studies: Evaluation

Two stages: **formative** and **summative** evaluation

Formative – does the system work properly (i.e. testing)

Summative – does the system have some educational impact (i.e. improved learning, improved effectiveness, meta-cognition, etc.).

Application area

Computer-supported collaborative learning (CSCL)

Group projects

Interaction between students
discussion forums,
exchange of work,
jointly constructed solution.

Development of tools

Participation: We can take part in the development of CACL tools, if appropriate.

Flexibility: We don't have platform built but have the opportunity to work with skillful programmers

Experience: An example using `phpBB` for an on-line community is being developed at the moment

Development of educational material

Module: Human-Computer Interaction

1st year BSc module, compulsory, 200 students

Face to face delivery and web-based resources

Opportunities for group projects on design and evaluation

There might be other options, the focus is CSCCL