IMICT 2007
Northeastern University
Boston, USA, 27th-29th June 2007

From integrating ICT towards innovative education

Panel – Adversarial debate

Panellists:

- Anna Kristiansdottir (Iceland)
- Bob Munro (Scotland, UK)
- Peter Hubwieser (Germany)
- Pieter Hogenbirk (The Netherlands)
- Viera Proulx (USA)

Presenter:

- Ferran Ruiz Tarragó (Catalonia, Spain)

A changing world

- Societies more diverse ethnically, economically and culturally
- ICT is essential for production, transactions and interactions
- Knowledge-based economy: new knowledge is needed to innovate and compete in a global world
- Work is based on information, concepts and relationships

A changing world

- Projects and networks are new forms of organization
- Demanding employers:
  - skills, responsibility, creativity …
  - have much more offer to choose
- Individuals are forced to follow complex pathways through education and training

Is education good enough?

The current provision of education -with ICT somewhat integrated in existing frameworks-, is it good enough for the challenges that societies and individuals are facing?

knowledge: objective, disciplinary	knowledge: subjective, contextual
knowledge: transfer	knowledge: construction
teacher dependent, teacher as expert	pupil dependent, teacher as coach
learning: individual	collaborative
evaluation: repetition of what has been taught	evaluation: discussion and peer assessment of students production
Paradigm A	**Paradigm B**

Adversarial debate

- Five thesis will be presented
- Two sides will set opposite views
- For each thesis:
  - statement of the thesis
  - opinion poll
  - arguments in favor (panellist, 4 min)
  - arguments against (panellist, 4 min)
  - open debate (4 min)
  - opinion poll – have opinions changed?

Thesis 1

(Schooling and the needs of society)

In the way of a knowledge society, schooling should be transformed significantly from Paradigm A to Paradigm B

In favor: Bob Munro

Against: Viera Proulx

Thesis 2

(The interest of the students)

Paradigm B does serve better the interest of the students

In favor: Anna Kristiansdottir

Against: Peter Hubweiser

Thesis 3

(Materializing students learning)

Collaborative learning leads to better learning outcomes. Evaluation is a major factor in hindering these better outcomes

In favor: Pieter Hogenbirk

Against: Bob Munro

Thesis 4

(Role of ICT)

ICT can foster better outcomes in both paradigms at relative low costs

In favor: Viera Proulx

Against: Pieter Hogenbirk

Thesis 5

(Mathematics and the real world)

All mathematics teaching should be embedded and presented in authentic contexts relevant to learners

In favor: Peter Hubweiser

Against: Anna Kristiansdottir

Many thanks to the panellists and to the attendees four your valuable input and this lively discussion

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