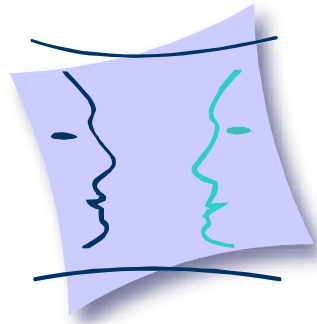


Technische Universität Darmstadt



Telecooperation

The Future of Multimedia Education EMME 07 Panel

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Q1: Status of MM Education

Important challenges?

- non-challenge: MM core (hard) algorithms and methods are not „exceptional“
 - recognition (image, video, audio ...) algorithms
 - machine learning and other „basics“
 - compression basics (DCT, FFT etc.)
 - transmission / networking basics
 - ...they do *not* develop terribly faster than some other CS domains
- challenge: push the above to canonical CS education
 - canonical CS education needs revision anyway
 - lots of legacy, claimed domains, etc.
- *real* challenge: MM is interdisciplinary!! includes design, human factors
 - makes CS core colleagues consider it „soft“
 - but CS should in total „go soft“ - no, rather accept CS as a discipline not „by technocrats for technocrats“ but „by humans for humans“

Summary: MM as part of CS is **not** particular wrt. CS concepts to be taught (rather, there are political issues), but particular wrt. interdisciplinary nature

Q2 thru Q4

2. Importance for general CS education:

- again: can „introduce“ the interdisciplinary nature of future CS
- basic algorithms in intro class: YES, but harmonize with computer vision, machine learning, networking, DB etc.

3. Learning material for MM:

- no good textbook exists? well, yes, but that is an artifact
- rather: CS as a whole is fast-moving → not an ME but EM issue!!
- → make a big move in EM!! ... and start with ME
- most important: open standard in
 - lecture recording *and*
 - seamless integration with LMSes & Web2.0

4. MM learning material for MM

- we use Digital Lecture Hall; bottomline: it needs time to become a good EMME lecturer, so start today!