SOCIAL AUGMENTED LEARNING

S A L

Learning the technical basics of offset printing by social augmented learning

EGIN ANNUAL CONFERENCE 2015, Zagreb

Thomas Hagenhofer, ZFA, 23.04.2015

Printing machines – black boxes

Making processes visible

Concept

Social Learning

- Combination with social media learning scenarios

- Moderated learner generated content

Mobile Learning

- Use of 3D models for mobile learning scenarios
- Authoring tool for teachers and trainers generating new content
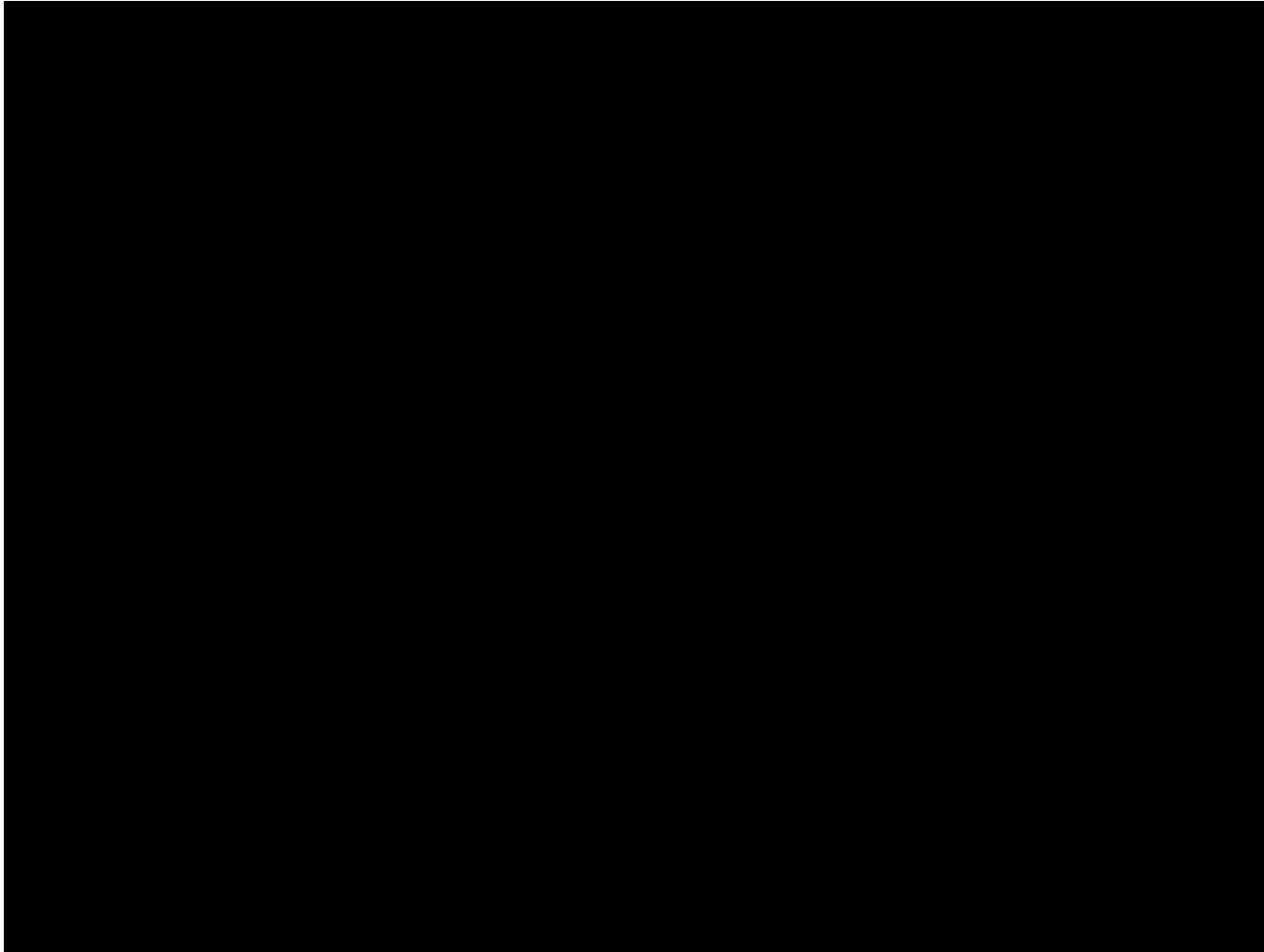
web app

Augmented Learning

- Machine oriented augmentation of non-visible processes and context

- Development of 3D models by experts

AL authoring tool

Anwendung starten

First learning module

- 25 sheets about „colour flux and lateral distribution in sheet-fed offset printing"
- Modes
    ◦ Individual learning / group based learning / presentation
    ◦ VR mode for mobile learning / AR mode with augmented content for machine based learning
- Collaboration
    ◦ Synchronisation of sheet views between tablets (Teacher/Trainer)
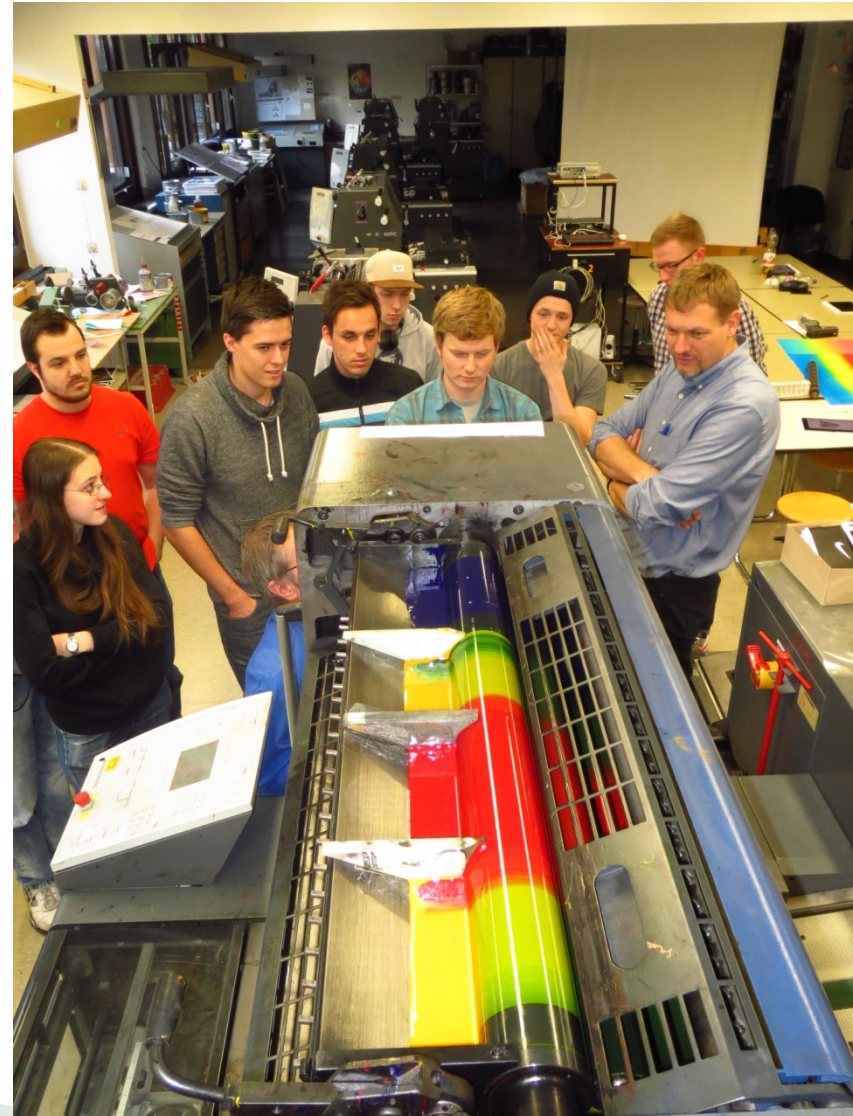   ◦ Ping- und drawing
    ◦ Social Tagging (wikis and blogs)

Testing

- Tests in eight schools and two enterprises
- 81 apprentices and 15 teachers/trainers
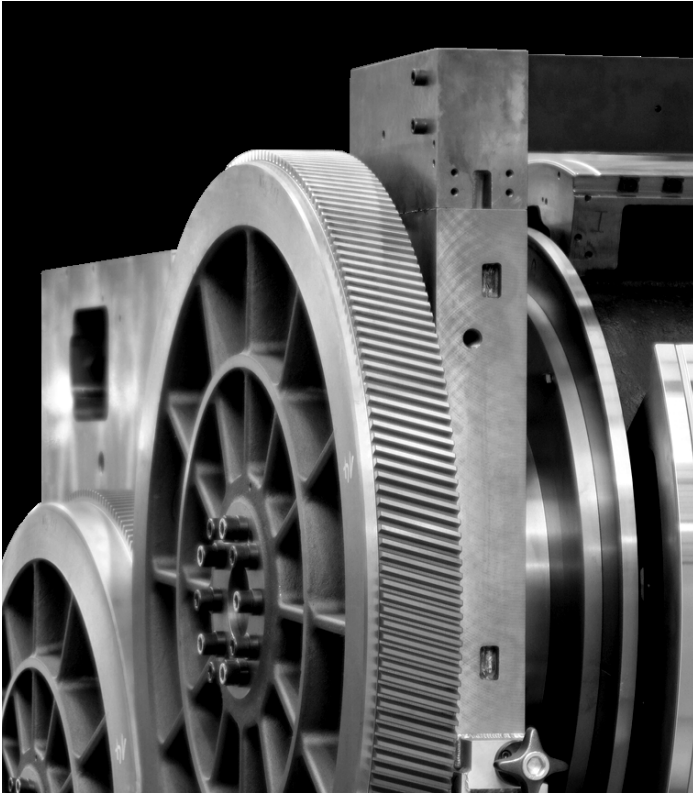- evaluation very positive (1.8 in a scale 1 (extremely well to 6 extremely bad)

First experiances

- Increase of motivation especially concerned on young people
- Mobile group learning and learner presentation are more important than AR
- Need of qualification for teachers and trainers
- Enlargement of collaboration tools
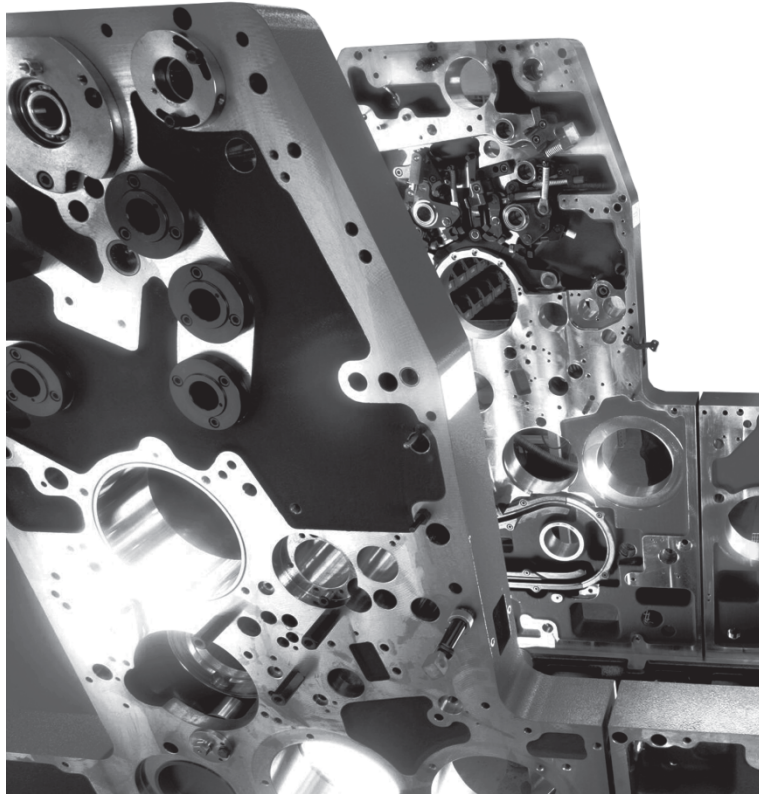 (Multiple choice function for tests and surveys, comments in forums of Mediencommunity)

Prospects

- Intensive evaluation of testings
- Development of three more modules
- Design of user training for teachers/ trainers
- Transfer facilitation for other sectors
- Presentation at drupa in May 2016

Testing and contact

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- ▸ Testing at EGIN conference during the breaks
- ▸ All information in German at social-augmented-learning.de
- ▸ Contact: Thomas Hagenhofer hagenhofer@zfamedien.de

Thanks for your attention - Have a nice conference