# Image analysis

6th International Conference on Analysis of Images, Social Networks, and Texts (AIST'17), Moscow (Russia), July 27-29

Web: http://aistconf.org

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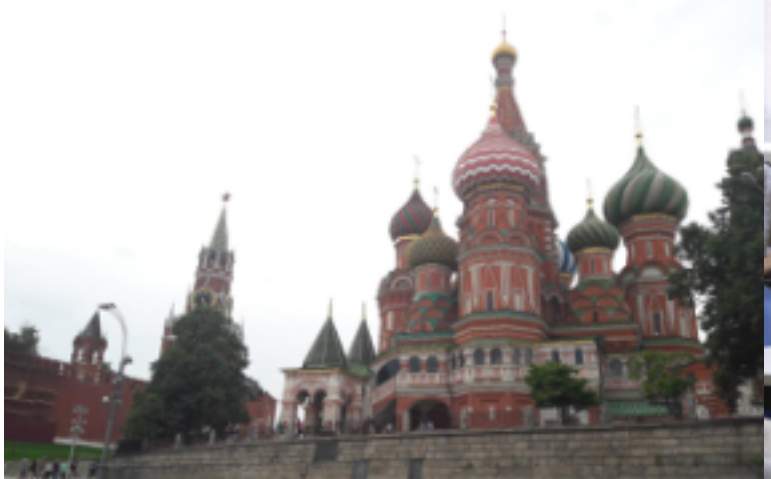
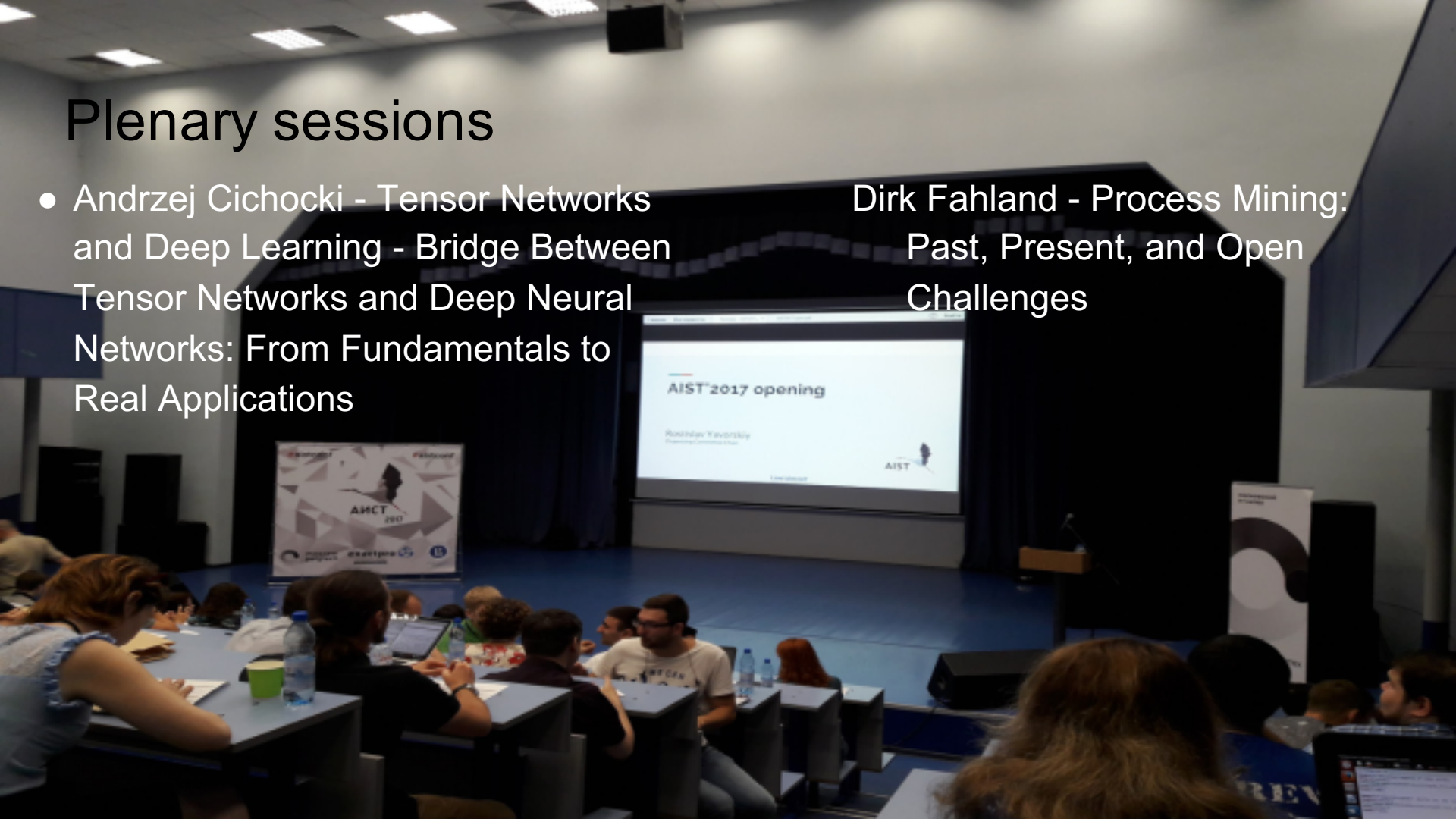


# Plenary sessions

- Andrzej Cichocki - Tensor Networks and Deep Learning - Bridge Between Tensor Networks and Deep Neural Networks: From Fundamentals to Real Applications

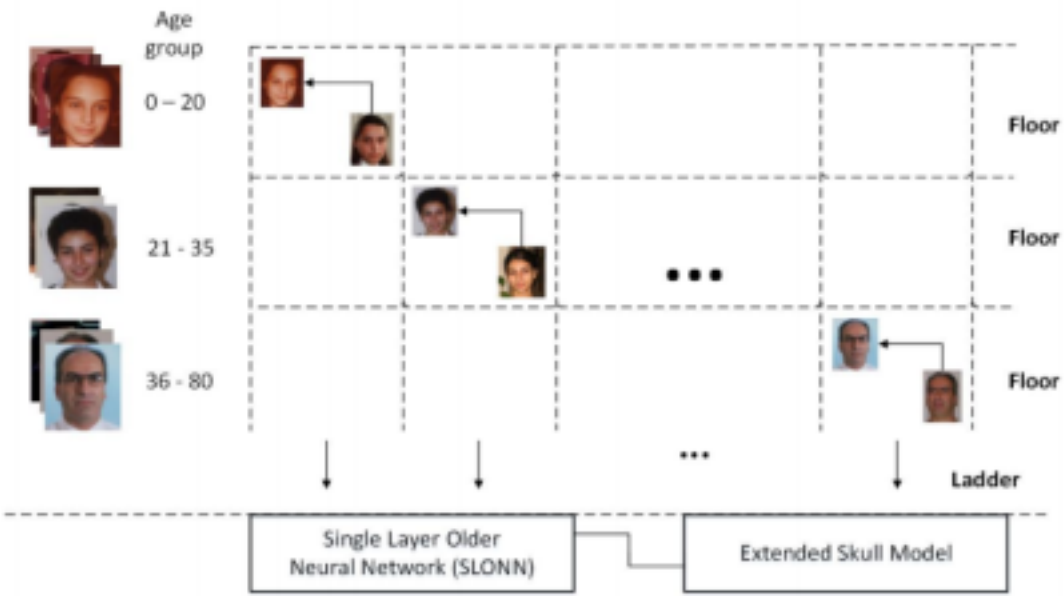
Dirk Fahland - Process Mining: Past, Present, and Open Challenges



# Analysis of Images and Video

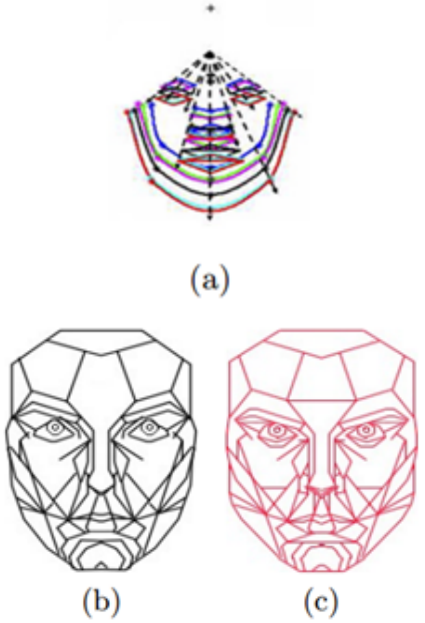
- Organizing Multimedia Data in Video Surveillance Systems Based on Face Verification with Convolutional Neural Networks
- Array DBMS and Satellite Imagery: Towards Big Raster Data in the Cloud
- Large-Scale Shape Retrieval with Sparse 3D Convolutional Neural Networks
- Impulsive noise removal from color images with morphological filtering
- Nonlinear dimensionality reduction of hyperspectral data using spectral correlation as a similarity measure
- **Floor-Ladder Framework For Human Face Beautifications**
- Satellite image forgery detection based on buildings shadows analysis
- Original Loop-closure Detection Algorithm for Monocular vSLAM

# Floor-Ladder Framework for Human Face Beautification




The Floor-Ladder Framework

The Skull Model



# Proposed approach

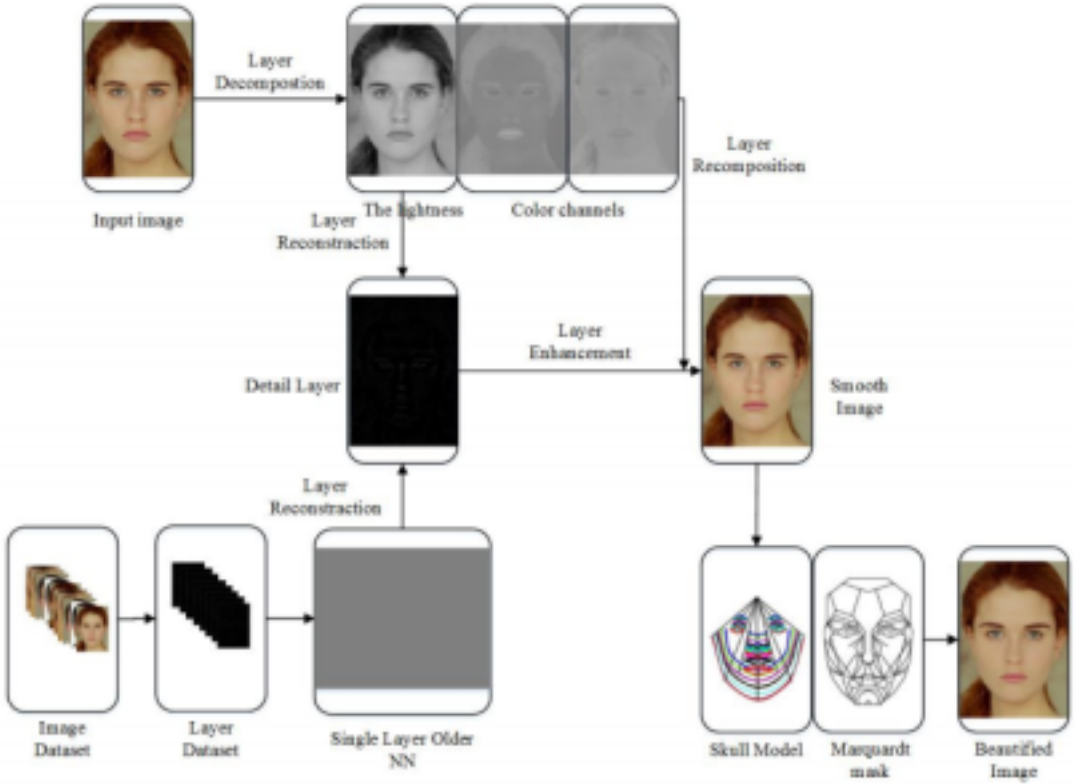
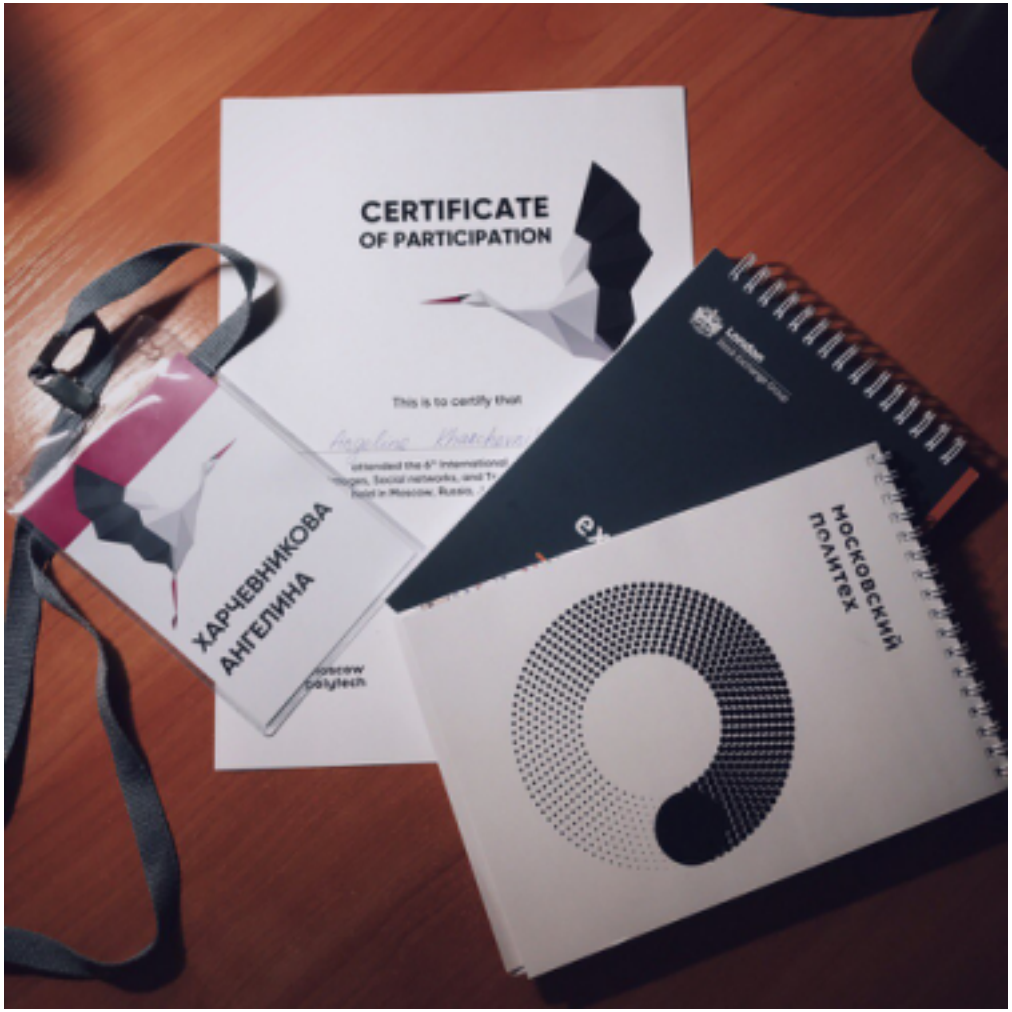


Fig. 4: In comparison to the face texture beautification algorithms. (a) Original image. (b) Portaiture. (c) Liang et al. (d) MeituPic. (e) Our result.

Fig. 5: The beautification result with a comparison to the face shows beautification algorithm. The images in the first row are original portraits. The algorithm proposed by Leyvand [18]. Images in the last row are result of the proposed algorithm.

# Poster marathon

Thank you for attention!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