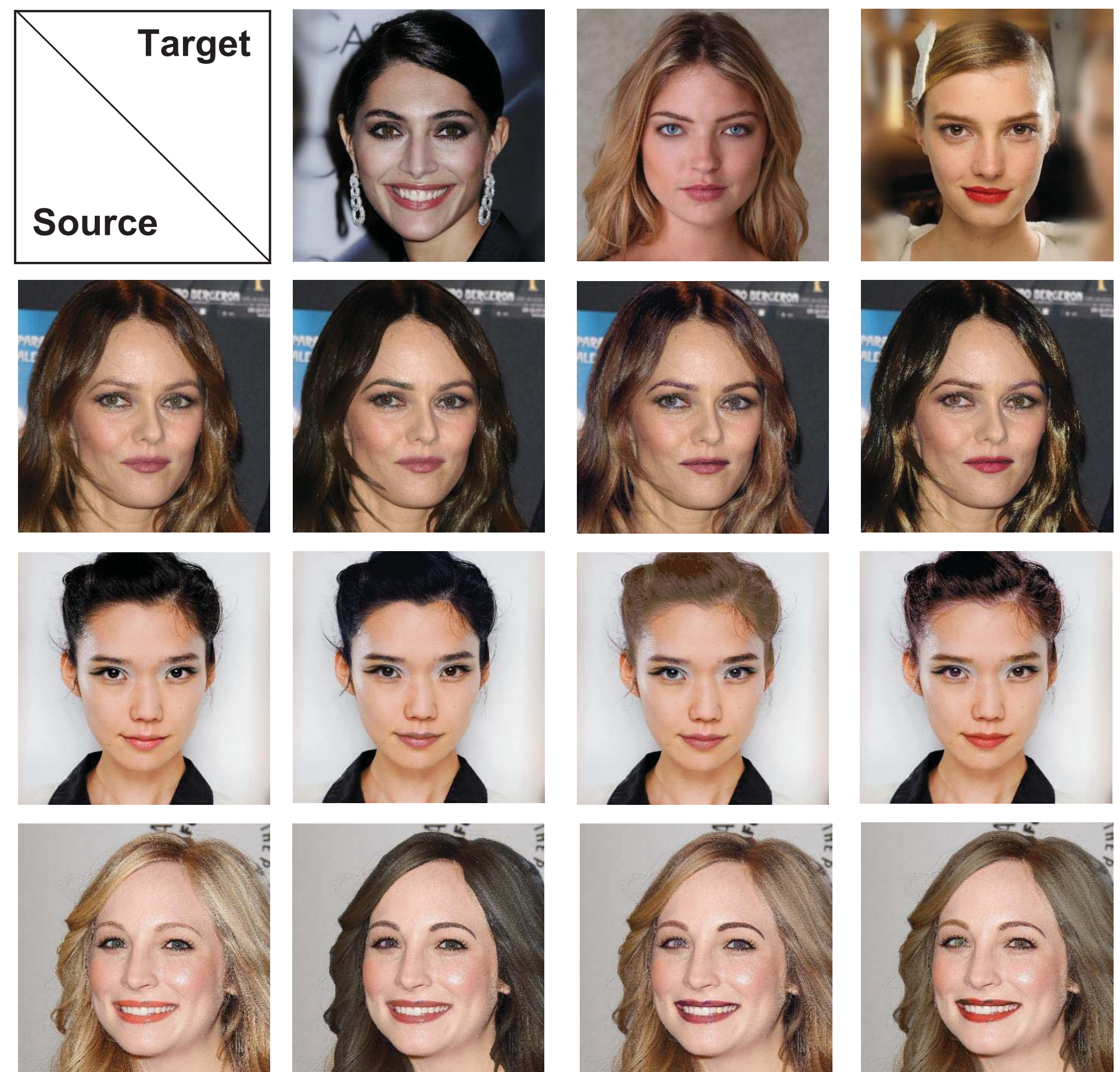
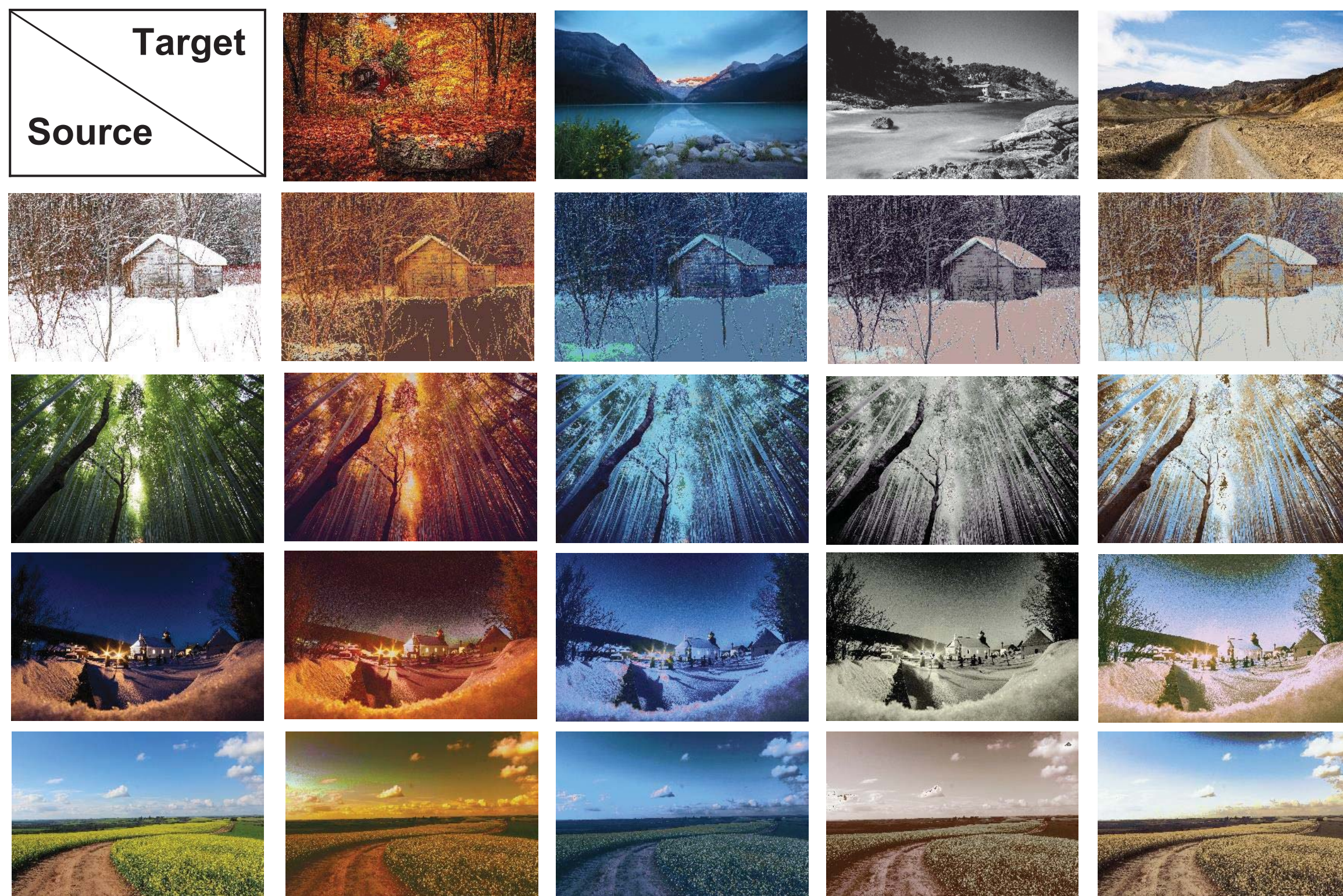


# Digital Makeup

## Using Machine Learning Algorithms

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### Results of the Color Transfer Algorithm

#### Project Objectives:

With the rapid growth of social media platforms, people are updating their self-portrait photos in a much more frequent manner. To aid the users quickly and efficiently create a new content, we provide this system to auto apply “makeup” to the photos using machine learning techniques. This project includes research over color transfer algorithms, comparison between different facial feature parsing methods and integration component for digital makeup with quality-control. With the example presented, we can clearly observe the image change from the source to the target style.

### Results of the Digital Makeup Transfer

#### Portrait Images with the Feature-Parsing Masks



Source

Result

Target

#### Analysis of the Color Transfer Algorithms

