From «Raw» to […] to Matroska/FFV1

Reto Kromer • AV Preservation by reto.ch

Sharing
FIAF Congress, Prague, Czech Republic
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Scanner

- film transport
- light source
- camera
- image section
- wet scanning
- file format

File Format

- resolution
- bit depth
- linear, power, logarithmic
- colour model
- chroma subsampling
- illuminant

Past Experimentations

from:
- AVI / HuffYUV
- AVI / FFV1 version 1

to:
- Matroska / FFV1 [version 3]

Present Experimentations

from:

- MXF / OpenEXR
- flavour of NUT / multiple (e.g. 15) 16 bit
- flavour of NUT / RGB72 or $Y'C_1C_2$ 24-bit
- flavour of NUT / expanded OpenEXR

to:

- Matroska / FFV1 version 4 using RGB72, $Y'C_1C_2$ 24-bit, floats & additional metadata

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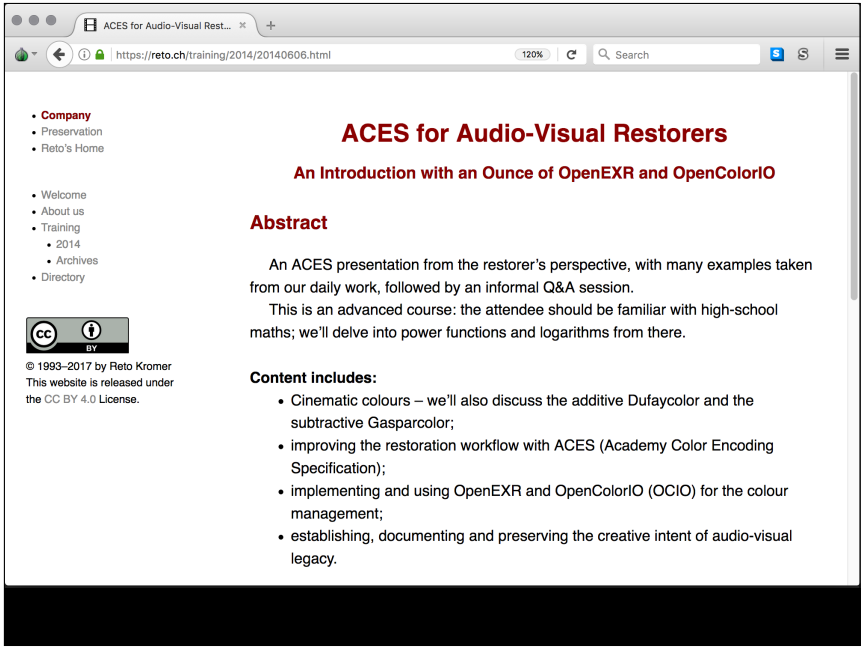

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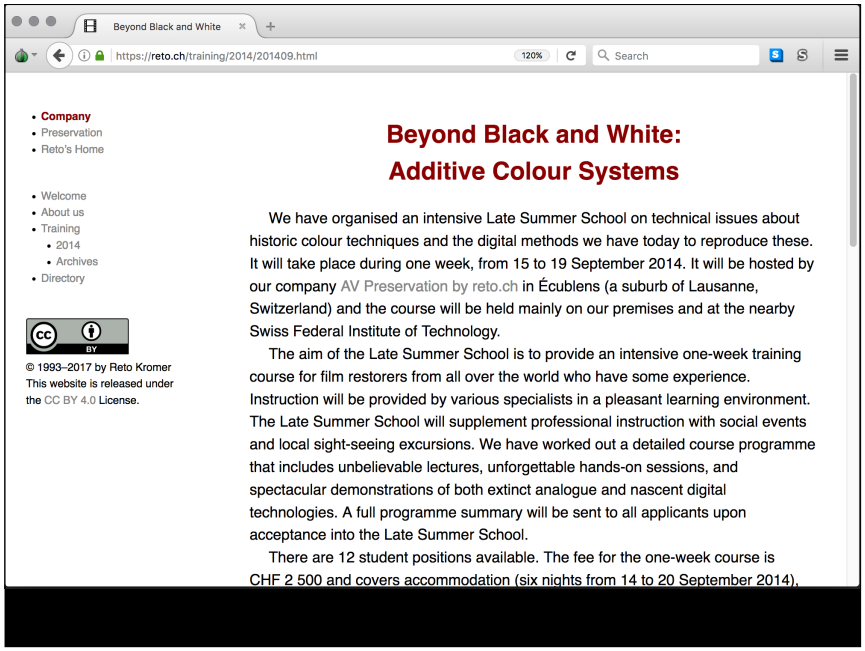
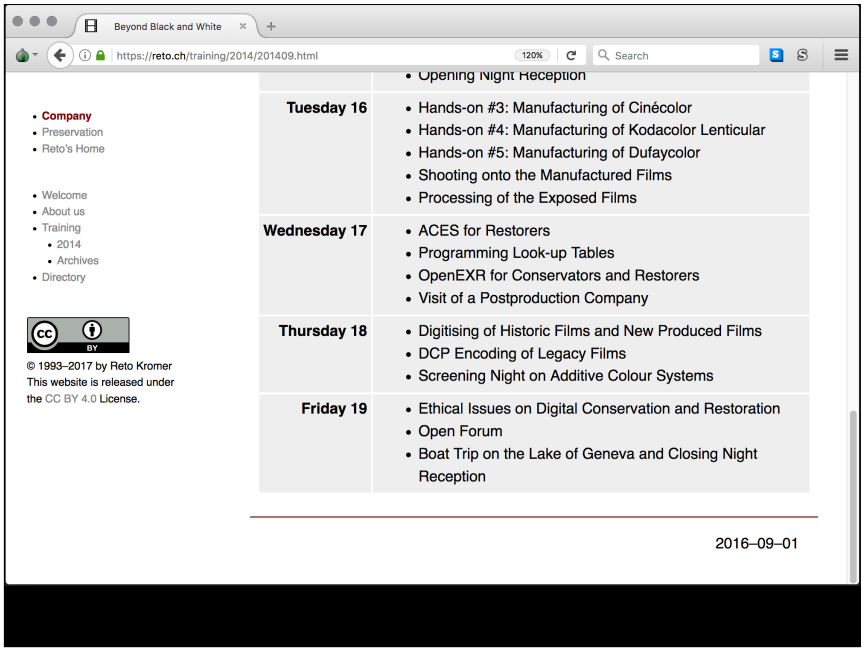


7



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Data Migrations

2014

- our internal archive from LTO-4 to LTO-6 (5.7 PB)

2014–[2019?]

- […]

[2019?]

- our internal archive from LTO-6 to LTO-8

read | script | write

script to modify

- container
- codec
- both container and codecs
- other element

Kate Murray:

«More adoption means better sustainability.»

[while proudly speaking about MXF/JPEG 2000 at the Matroska/FFV1 symposium in Vienna]

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