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Title: **AHG9: Support more NNPF purposes**

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Abstract

This contribution proposes to add new NNPF purposes, including deinterlacing, background replacement/blurring, film gran synthesis, video stabilization, face/object redaction, visualization for computer vision task, video retargeting. To support more purposes, it is also proposed to extend the nnpfc_purpose and use a new syntax element to indicate how video format changes.

Introduction

In the current NNPF SEI design, purposes include general visual quality improvement, chroma upsampling, resolution upsampling, picture rate upsampling, colourization and their possible combinations. While there are already many other neural network-based post filtering schemes proposed or even widely used, they are not supported in the current text. This document describes more NNPF use cases and proposes to support more purposes.

Additional NNPF purposes

Deinterlacing

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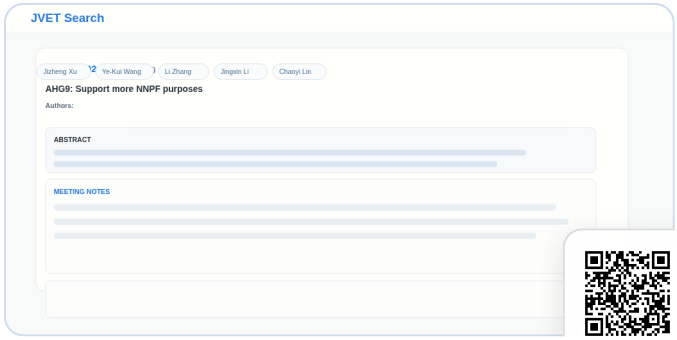
LINKS

CARD

JVET-AD0240

http://vexpertise.stbit.ru/documents/JVET-AD0240



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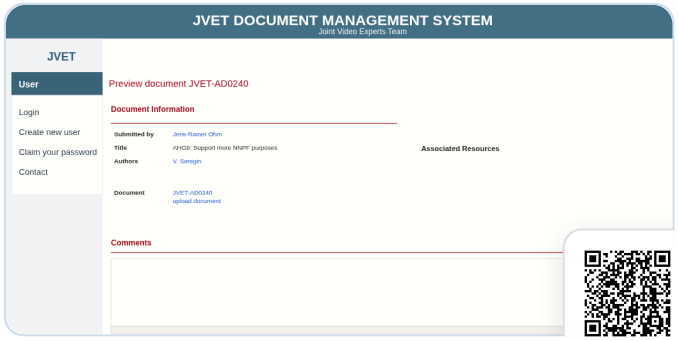

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MEETING NOTES

external meeting notes

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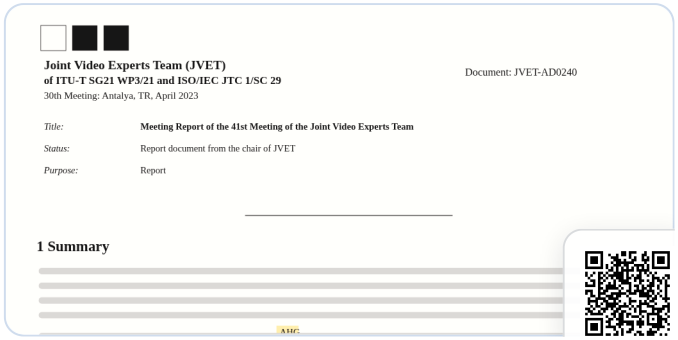

MEETING NOTES

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