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Abstract

This document summarizes the activity of AHG11: Screen Content Coding between the 15th Meeting in Gothenburg, SE (3–12 July 2019) and the 16th meeting in Geneva, CH (1–11 October 2019).

Introduction

The AHG was established at Gothenburg, SE with the following mandates:

Investigate coding tools targeted at screen content in terms of compression benefit and implementation complexity.

Identify test materials, discuss testing conditions for screen content coding, and propose associated updated common test conditions.

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CARD

<http://vexpertise.stbit.ru/documents/JVET-P0011>

The screenshot shows the JNET Search interface. At the top, the text 'JNET Search' is displayed. Below it, a search bar contains the query 'JNET AHG report: Screen content coding (AHG11)'. To the right of the search bar, there are six author names in individual boxes: 'Shan Liu', 'Jill Boyce', 'Yu-Chen Sun', 'Jizheng Xu', 'Hymeng-Gyuan Yang', and 'Jens-Rainer Ohm'. Below the search bar, the text 'JNET AHG report: Screen content coding (AHG11)' is displayed. Underneath this, the text 'Authors:' is followed by a list of authors: 'Shan Liu', 'Jill Boyce', 'Yu-Chen Sun', 'Jizheng Xu', 'Hymeng-Gyuan Yang', and 'Jens-Rainer Ohm'. Below the authors, there are two sections: 'ABSTRACT' and 'MEETING NOTES'. The 'ABSTRACT' section contains a large block of text that is mostly obscured by a light blue overlay. The 'MEETING NOTES' section contains a large block of text that is also mostly obscured by a light blue overlay. In the bottom right corner, there is a QR code.

https://jvet-experts.org/doc_end_user/documents/16_Geneva/wg11/JVET-P0011-v1.zip

A screenshot of a presentation slide. The slide has a light blue background. In the top left corner, the word "Archive" is written in a light blue, sans-serif font. Below it, there is a light blue rounded rectangle containing a dark blue square with the white text "DOC" and the filename "JVET-P0011-v1.docx" in a dark blue, sans-serif font. In the bottom right corner, there is a white rounded rectangle containing a black and white QR code.

https://jvet-experts.org/doc_end_user/current_document.php?id=8571

The screenshot displays the 'JVET Document Management System' interface. At the top, a dark blue header contains the system name and the subtitle 'Joint Video Experts Team'. Below the header, a light blue sidebar on the left lists navigation options: 'User' (highlighted with a dark blue background), 'Login', 'Create new user', 'Claim your password', and 'Contact'. The main content area has a light blue background and features a document preview for 'JVET-P0011'. The title 'Preview document JVET-P0011' is shown in red. Below this, a section titled 'Document Information' is separated by a red line. It lists the submitter as 'Jens-Rainer Ofin', the title as 'JVET-AVC Input: Screen content coding (V4E512)', the author as 'V. Smeets', and the document as 'JVET-P0011' with a link to 'upload document'. To the right of this section, the text 'Associated Resources' is visible. At the bottom, a 'Comments' section is also separated by a red line. A QR code is located in the bottom right corner of the interface.

https://www.itu.int/wftp3/av-arch/jvet-site/2019_10_P_Geneva/JVET-P_Notes_dG.docx

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MEETING NOTES

[JVET-P0011](#) JVET AHG report: Screen content coding (AHG11) [S. Liu, J. Boyce, A. Filippov, Y.-C. Sun, J. Xu, H. Yang]

This AHG report was discussed Thursday 3 October (chaired by JRO).

The AHG used the main JVET reflector, jvet@lists.rwth-aachen.de, with [AHG11] in message headers. There were a few emails exchanged regarding SCC testing sequences downloading locations in the ftp site. There were many email exchanges among CE8 participants using jvet-ce@lists.rwth-aachen.de reflector with tool specific discussions.

In total there were 44 SCC related technical contributions identified, among which there were 8 IBC related technical contributions, 27 palette related technical contributions, 4 transform skip/BDPCM related technical contributions, 3 SCC tool deblocking settings related technical contributions, and 2 other SCC tools contributions identified for this meeting.

The AHG recommended:

- To review all related contributions.
- To continue investigating SCC coding tool performance, complexity and interactions between themselves and with other coding tools.
- To continue evaluating new test materials.

CITATION

S. Liu, J. Boyce, A. Filippov, Y.-C. Sun, J. Xu, H. Yang, "JVET AHG report: Screen content coding (AHG11)", JVET-P0011, 16th Meeting: Geneva, October 2019.

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