**INTERNATIONAL ORGANISATION FOR STANDARDISATION**

**ORGANISATION INTERNATIONALE DE NORMALISATION**

**ISO/IEC JTC1/SC29/WG11**

**CODING OF MOVING PICTURES AND AUDIO**

**ISO/IEC JTC1/SC29/WG11 N17514**

**April 2018, San Diego, US**

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| **Source** | **ISO/IEC JTC1/SC29/WG11** |
| **Status** | **Approved** |
| **Title** | **Workshop on Genomic Information Representation (MPEG-G)** |

This document contains the list of talks and the presentations showed during the “Workshop on Genomic Information Representation (MPEG-G)” held in San Diego (US) on 18th April 2018. Some of the presentations are attached to this document as a zipped set of PDF files.

**Date:**

18th April (Wednesday), 2018

Program: 13:00 – 18:00

**Venue:**

**San Diego Marriott La Jolla, 4240 La Jolla Village Drive**

**San Diego, CA 92037, United States**

(see also the [122nd MPEG meeting](https://mpeg.chiariglione.org/meetings/122) for more details)

**Organizing Committee:**

Joern Ostermann (LUH), Rongshan Yu (AGINOME Scientific), Claudio Alberti (GenomSys), Tom Paridaens (imec and UGent)

**Preliminary Program**

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| **Start** | **End** | **What** | **Who** |
| 12:30 | 13:00 | Registration |  |
| 13:00 | 13:15 | Welcome & workshop goals |  |
| 13:15 | 13:40 | “Genome and medical information portability, retrieval and analysis” | Amalio Telenti (Scripps Research Institute, USA) |
| 13:40 | 14:05 | “From womb to tomb sequencing: on the advantages on bringing multidisciplinary R&D to develop standards and analytics” | Ioannis Xenarios, (SIB Switzerland) |
| 14:05 | 14:30 | “Future of Genomics and Big Data” | Dawn Barry (Luna DNA, USA) |
| 14:30 | 14:55 | “Generation and Management of Large Sequence Files: Perspectives from the DNA Sequencing Core” | Alvaro G. Hernandez (UIUC DNA Services, USA) |
| 14:55 | 15:10 | Presentation of demonstrations |  |
| 15:10 | 15:40 | Demo session and Coffee Break |  |
| 15:40 | 16:05 | “The role of compression in the genomics data life cycle” | Come Raczy (Illumina Inc., USA) |
| 16:05 | 16:30 | Genomics at Rady Children Hospital (Provisional title) | Ray Veeraraghavan (Rady’s Children Hospital san Diego, USA) |
| 16:30 | 16:55 | "An overview of the MPEG-G standard for the compression and processing of genomic sequencing data" | Marco Mattavelli (EPFL, Switzerland) |
| 16:55 | 17:30 | Demo Session |  |
| 17:30 | 18:00 | Panel discussion, Q&A and concluding remarks | All speakers |
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**Demonstrations of genome sequencing data processing prototypes and products**

Co-located with the workshop, demos of prototypes and products related to genome sequencing data processing analysis, compression and storage have been shown by Aginome Scientific, Vital-IT, GenomSys and GenomSoft.