



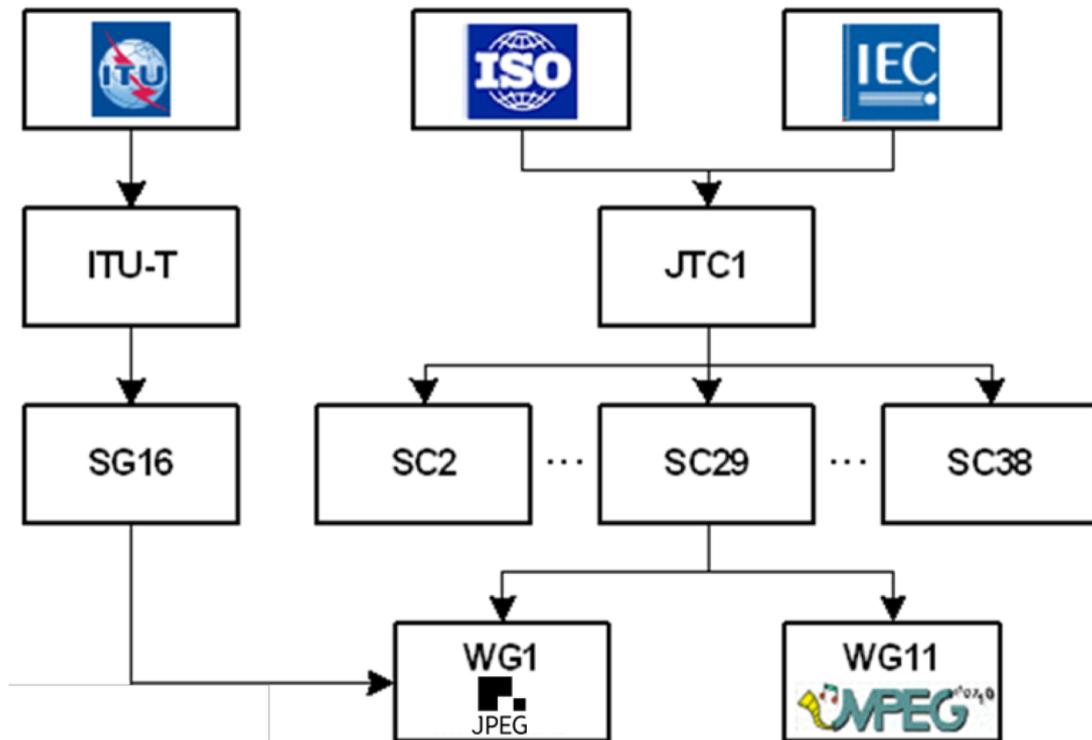
Second JPEG Workshop on Media Blockchain

Touradj Ebrahimi

JPEG Convenor



What is JPEG?



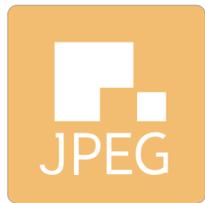
- Joint Photographic Experts Group
 - ISO/IEC
 - ITU-T
- Informally known as JPEG
 - WG1 in official communications



JPEG Family of Standards



JPEG



LS



2000



XR



AIC



JPSearch



XT



XS



Systems



Pleno



Main objective of JPEG

- Contribute to **enabling** imaging/media **ecosystems**





Current scope (1/2)

- **Efficient coding and compression of digital representations of lights:**
 - Pictures
 - Video
 - Animated images
 - Multispectral/Hyperspectral images
 - Plenoptic content
 - Light field
 - Immersive content in 3DOF, 3DOF+, 6DOF
 - Volumetric content
 - Holographic content
 - Depth information
 - Point Clouds



Current scope (2/2)

- **Support to digital information coding and compression:**
 - **System related mechanisms**
 - **Interchange formats**
 - **Storage, access and delivery formats**
 - **Privacy and security mechanisms**
 - **Specific applications support**
 - **Quality of Experience evaluation protocols and metrics**
 - **System performance metrics**



Biggest challenge in JPEG

- Anticipate trends and future needs in imaging/media





How to predict future?

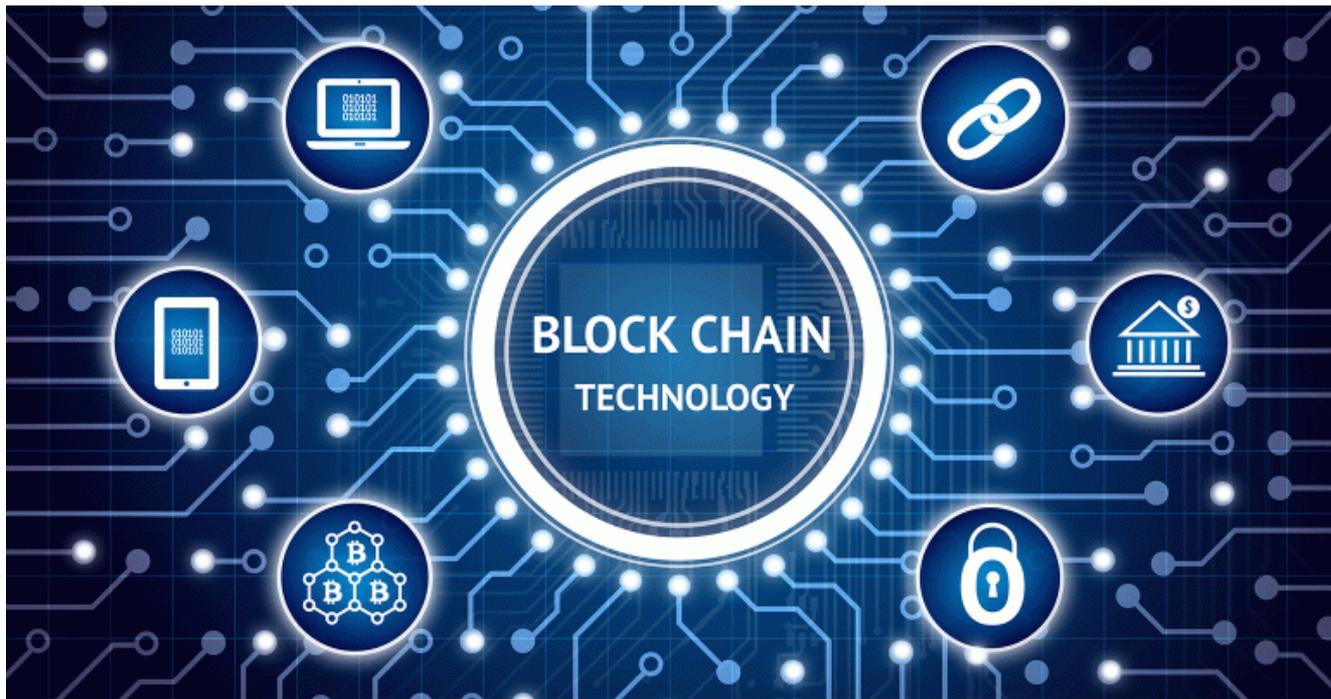




Working together



Blockchain and DLTs



The first steps ...





Next WG1 meeting

- **83rd ISO/IEC JTC1/SC29/WG1 (JPEG) Meeting**
 - **Location: Geneva, Switzerland**
 - **March 16-22, 2019**





More information

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