



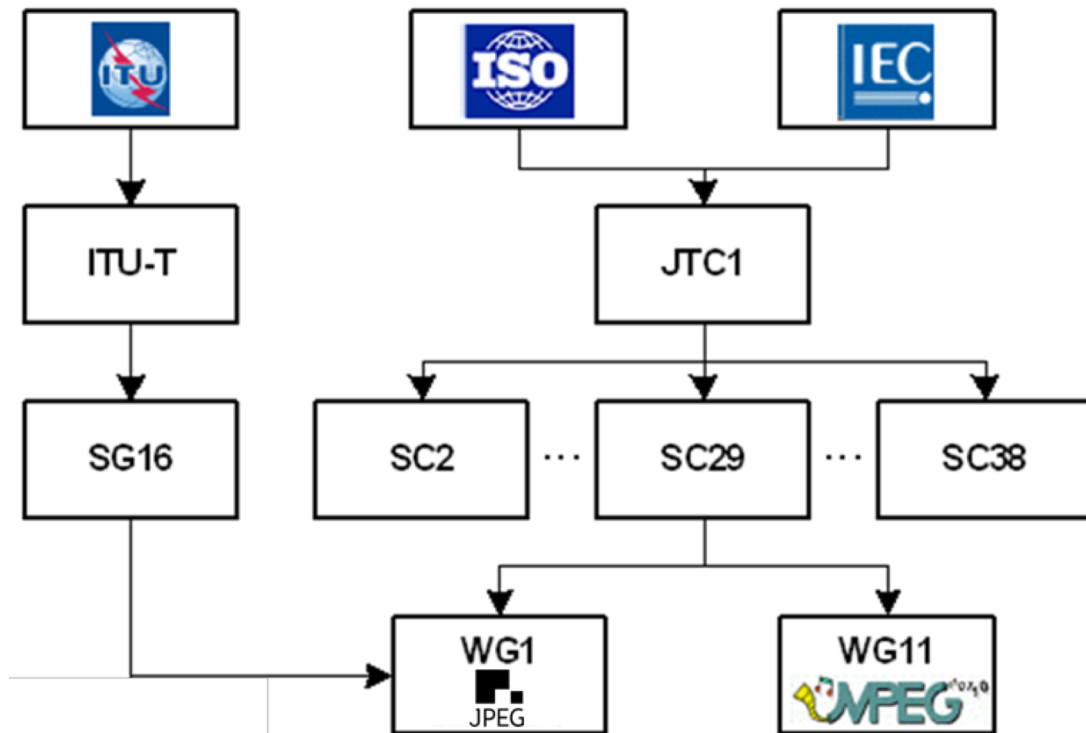
# **Second JPEG Workshop on Media Blockchain**

**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?

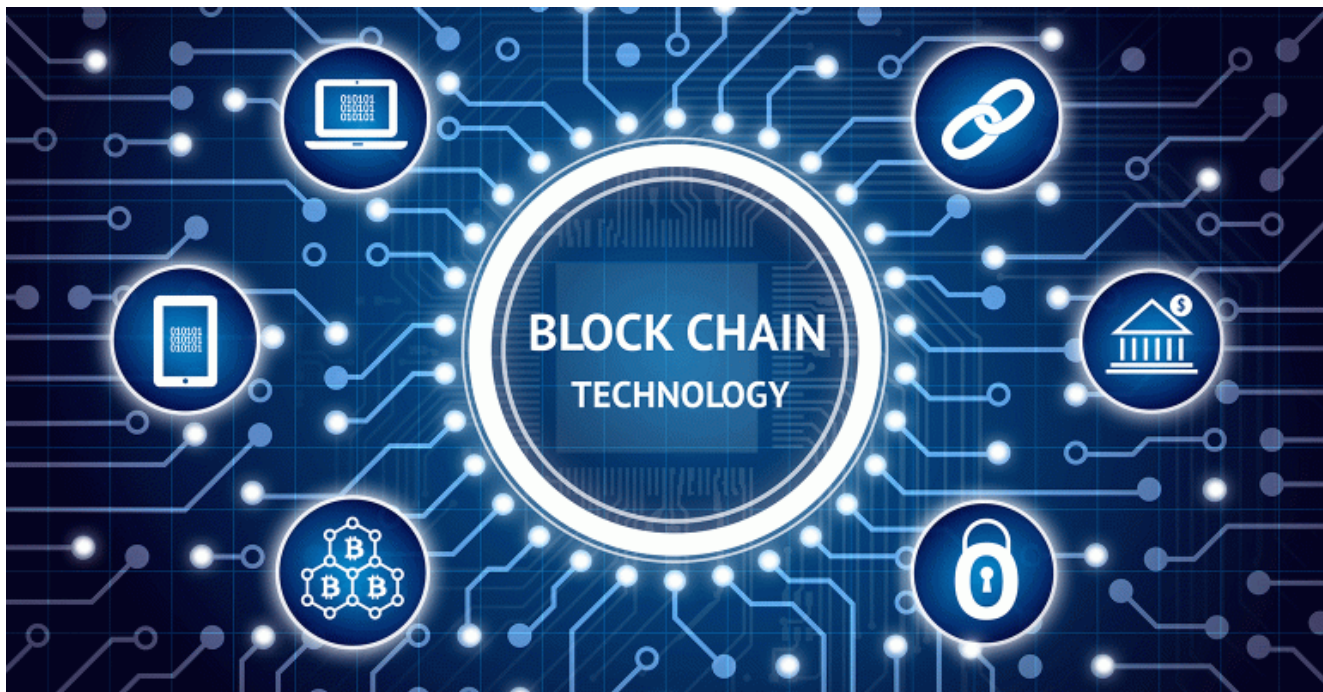




# Working together



# Blockchain and DLTs





- **What is the impact of blockchain and distributed ledger technologies on JPEG standards**



# 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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