



**SMPTE**  
**Motion Imaging** *Journal*

**EXECUTIVE**

**Sara Kudrle**  
*Education Vice President*

**John Belton**  
*Chairman/Board of Editors*

**Thomas Edwards**  
**James E. O'Neal**  
**Glen Pensinger**  
*Associate Editors*

**Barbara H. Lange**  
*Executive Director*

**JOURNAL STAFF**

**Joel Welch**  
*Director of Education*  
 914-205-2379

**Dianne Purrier**  
*Managing Editor, Digital and Print Publications*  
 914-205-2377

**Jeffrey Victor**  
*Advertising Sales North America*  
 847-721-2730

**Neil Howman**  
*Advertising EMEA*  
 O: +44 (0)1242 256 268  
 M: +44 (0)7941 717 436

**DEPARTMENTS**

- 2 Officers
- 4 Corporate Members
- 6 Message from the Executive Director
- 8 Update from the Standards Vice President
- 9 Section Meeting
- 59 Statement of Ownership
- 60 SMPTE Almanac
- 61 Erratum

COVER CREDIT: TODD GRASTY

Digital Object Identifier 10.5594/jmi.2020.3029407  
 Date of publication: 11 November 2020

**NOVEMBER/DECEMBER 2020: CLOUD**

**TECHNICAL PAPERS**

- 10 **Cloud Technology Drives Superior Video Encoding**  
 Thierry Fautier
- 14 **Intelligence for Harmonizing Cloud-Based and On-Premises Workflows in Standards Conversion**  
 Paola Hobson and Christoph Jurkuhn
- 21 **Live Cloud Ingest Using Open Alternatives RIST and SRT**  
 Mikael Wånggren and Love Thyresson
- 33 **Broadcast Media Creation as a Service: Using Infrastructure-as-Code and the Public Cloud to Power On-Air Media Creation Platforms**  
 Kevin Fornito, Chris Zembower, and Steve Sneddon
- 40 **Serving Diverse Audiences More Effectively With Auxiliary Image Sequences in IMF**  
 Gillian Reston, Ulrich du Bosque, Rowan de Pomerai, Dan Tatut, Tim Davis, and Andrew Dunne
- 47  **$\Delta E_{ITP}$  Is Now Ratified as ITU-R BT.2124—Is the Industry Ready to Move on from  $\Delta E_{2000}$ ?**  
 Catherine Meininger, Tyler Pruitt, and Vincent Teoh