



# SMPTE *Motion Imaging* Journal

**EXECUTIVE**

**Mike Zink**  
*Education Vice  
President*

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

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

**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

## JULY 2022: STREAMING/OTT

### TECHNICAL PAPERS

- 10 **Network Operator-Provided 5G Streaming Media and Future Broadcast Services**  
Christophe Burdinat, Thomas Stockhammer, Mickaël Raulet, and Thibaud Biatek
- 17 **Universal CMAF Container for Efficient Cross-Format Low-Latency Delivery**  
Will Law, Eric Toullec, and Mickaël Raulet
- 26 **Server-Side Versus Client-Side Synchronization for Watch Together Applications Using CMAF Low Latency**  
Patrick Gendron
- 34 **Analysis of Generation Loss for Wavelet-Based Compression**  
Galen M. Reich and Jonathan Heathcote
- 43 **Digital Print Stock Design: A Framework for the Post-Film Era**  
Cullen Kelly

## DEPARTMENTS

- 2 Officers
- 4 Sustaining Members
- 6 Section Meetings
- 57 SMPTE Almanac

COVER CREDIT: TODD GRASTY

Digital Object Identifier 10.5594/jmi.2022.3178560  
Date of publication: 24 June 2022