

FOUNDED 1916



EXECUTIVE

Peter Ludé
Editorial Vice-President

Glen Pensinger
Chairman/Board of Editors

JOURNAL STAFF

David J. M. Juhren
Director of Communications

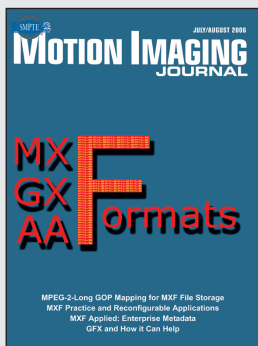
Dianne Ross Purrier
Managing Editor

Mathew V. Kuriakose
Publications/Production Manager

ENGINEERING

Carlos V. Girod, Jr.
Director of Engineering

Mark S. Hyman
Staff Engineer



Printed in the USA

SMPTE

JULY/AUGUST 2006

MOTION IMAGING

Journal

Website: www.smpte.org

VOL. 115, NO. 7 & 8

MESSAGE FROM THE ENGINEERING VICE-PRESIDENT

Gavin Schutz231

SMPTe REPORTS

SMPTE Technical Conference & Exhibition, Hollywood, CA232

New SMPTE Members233

Section Meetings234

BKSTS-SMPTE-TV Europe Masters Seminar: Highlights239

SMPTE Almanac by Michael Dolan240

PAPERS

MPEG-2-Long GOP Mapping for MXF File Storage Applications
Jim Wilkinson241

MXF Practice and Reconfigurable Application Specific Computing
Chris Golson, Kees Vos, Frederic Guiot, and Gregory Doyle248

MXF Applied: Enterprise Metadata for the Summer Games and Beyond
Steve Wynn255

What the Industry Learned From GXF and How it Can Help Everyone
Bob Edge260

The X-Curve: Its Origins and History
Ioan Allen264

SMPTe NEWS AND DEPARTMENTS

Former SMPTE Presidents Meet in Rochester276

SMPTE Executive Committee and Board of Governors Reception277

News278

Obituary280

Addendum/Errata280

New Books281

New Products282

Professional Services283

Highlighting SMPTE Sustaining Members284

SMPTE New and Renewal Membership Application285

SMPTE Sustaining Member List286

SMPTE Sustaining Member Application288

SMPTE Motion Imaging Journal (ISSN: 0036-1682) published monthly by the Society of Motion Picture and Television Engineers, 3 Barker Ave., White Plains, NY 10601. Periodicals postage paid at White Plains, N.Y., and at additional mailing office. Copyright © 2006 by the Society of Motion Picture and Television Engineers, Inc. All rights reserved. Printed in the U.S.A. No part of this issue may be reproduced without written permission of the publisher. Statements and opinions expressed in articles or editorials in the *SMPTE Motion Imaging Journal* are expressions of contributors and do not necessarily represent the policies or opinions of the Society. Advertisements appearing in this publication are the sole responsibility of the advertiser. Subscription rates: SMPTE members, \$27.00 included in membership dues; Straight Subscription U.S., \$140.00; elsewhere, \$155.00; airmail \$195. Single copy, \$15.00 plus shipping. MEMBERSHIP in SMPTE is available according to qualifications at the following annual dues: Active Member, \$135.00; Student Member, \$35.00. All members receive the *SMPTE Motion Imaging Journal* as part of membership. **SMPTE owns the copyrights to all published material, unless otherwise stated.** *SMPTE Motion Imaging Journal* is registered with Canada Post: CPM # 41003019.

POSTMASTER: Send change of address to *SMPTE Motion Imaging Journal*, 3 Barker Ave., White Plains NY10601.