

# SMPTE MOTION IMAGING JOURNAL

VOL. 124, NO. 8, November/December 2015



## EXECUTIVE

**Patrick Griffis**

Education Vice President

**Glen Pensinger**

Chairman/Board of Editors

**John Belton**

**Thomas Edwards**

**James E. O'Neal**

Associate Editors

**Barbara H. Lange**

Executive Director

## JOURNAL STAFF

**Joel Welch**

Director of Education

914-205-2379

**Dianne Ross Purrier**

Managing Editor

914-205-2377

**Jeffrey Victor**

Advertising Manager

847-721-2730

SMPTE Motion Imaging Journal (ISSN: 1545-0279) published 8 times per year by the Society of Motion Picture and Television Engineers, Inc. 3 Barker Ave., White Plains, NY 10601. Periodicals postage paid at White Plains, NY, and at additional mailing office.

Copyright © 2015 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.

MEMBERSHIP in SMPTE is available according to qualifications. A complete list of membership types and benefits is available at [www.smpte.org](http://www.smpte.org).

Advertisements appearing in this publication are the sole responsibility of the advertiser.

Subscription rates: SMPTE Members, \$29.00, included in membership dues; straight subscription: U.S./Canada, \$180.00; Non-U.S./Canada, \$195.00 (shipping included); Single copy, \$20.00, plus shipping.

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, NY 10601.

Printed in the USA

Publication Design by Cavich Creative, LLC  
[www.cavich.com](http://www.cavich.com)

## Reports

<b>Newly Elected Officers and Governors</b> .....	<b>3</b>
<b>Message from the Executive Director: The State of Your Society is Strong</b>	
Barbara H. Lange .....	<b>4</b>
<b>Report from the Standards Vice President: Standards for Media Archiving</b>	
Alan Lamshead .....	<b>8</b>
<b>SMPTE 2015: Getting Ready for the Next Century</b> Aimée Ricca.....	<b>10</b>
<b>Section Meetings</b> .....	<b>16</b>

## Industry Reports

<b>2014 Survey Summary for Storage in Professional Media and Entertainment</b>	
Thomas M. Coughlin.....	<b>19</b>
<b>An Automated Tagging Approach to Improve Search and Retrieval in a Radio Archive</b> M. Lycke, M. Matton, and L. Overmeire .....	<b>25</b>
<b>Maximizing the Potential of Legacy Content in New Media Asset Management Deployments</b> Savva Mueller.....	<b>33</b>
<b>Automated Content Restoration System for File-Based Broadcasting Environments</b>	
Sungwoo Choi, Moonsik Lee, Byunghee Jung, Kiok Ahn, Byungyong Ryu, Jaemyun Kim, and Oksam Chae .....	<b>39</b>
<b>Cinematic Sound Scene Description and Rendering Control</b>	
Charles Q. Robinson and Nicolas Tsingos.....	<b>47</b>

## Departments

<b>SMPTE Sustaining Members</b> .....	<b>6</b>
<b>Obituaries</b> .....	<b>54</b>
<b>SMPTE Almanac</b> Michael Dolan.....	<b>55</b>