



SMPTE Education Webcast Series
SMPTE Professional Development Academy – Enabling Global Education



Discover SMPTE Content in the SMPTE Digital Library

Special Edition

SMPTE Education Webcast Series is sponsored by:



© 2017 by the Society of Motion Picture & Television Engineers®, Inc. (SMPTE®)

SMPTE Education Webcast Series Sponsors



Professional Development Academy
Enabling Global Education

- *Thank you to our sponsor for their generous support:*



© 2017 by the Society of Motion Picture & Television Engineers®, Inc. (SMPTE®)



Special Thanks



Professional Development Academy
Enabling Global Education

IEEE Xplore[®]
Digital Library

© 2017 by the Society of Motion Picture & Television Engineers®, Inc. (SMPTE®)

SMPTE Monthly Education Webcasts



Professional Development Academy
Enabling Global Education

- Series of monthly 60- to 90-minute online, interactive webcasts covering a variety of technical topics
- Free professional development benefit for SMPTE members
- Sessions are recorded for member viewing convenience.

© 2017 by the Society of Motion Picture & Television Engineers®, Inc. (SMPTE®)

Your Host

Joel E. Welch

*Director of Education
SMPTE*



*Professional Development Academy
Enabling Global Education*

© 2017 by the Society of Motion Picture & Television Engineers®, Inc. (SMPTE®)

5

Today's Presenter



Jalyn Kelley

Jalyn Kelley

*Client Services Manager
IEEE*



*Professional Development Academy
Enabling Global Education*

© 2017 by the Society of Motion Picture & Television Engineers®, Inc. (SMPTE®)



IEEE has partnered with SMPTE



Professional Development Academy
Enabling Global Education

- IEEE is the world's largest professional membership association dedicated to advancing technological innovation and excellence for the benefit of humanity.
- IEEE has partnered with SMPTE, the Society of Motion Picture and Television Engineers®.
- IEEE is pleased to be the exclusive host for the complete SMPTE Digital Library for institutions and also to manage all institutional subscriptions accounts.

© 2017 by the Society of Motion Picture & Television Engineers®, Inc. (SMPTE®)

About SMPTE



Professional Development Academy
Enabling Global Education

- The Oscar® and Emmy® Award-winning Society of Motion Picture and Television Engineers® (SMPTE®), a professional membership association, is the preeminent leader in the advancement of the art, science, and craft of the image, sound, and metadata ecosystem, worldwide.
- An internationally recognized and accredited organization, SMPTE advances moving-imagery education and engineering across the communications, technology, media, and entertainment industries.



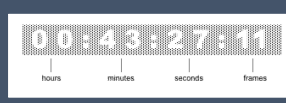
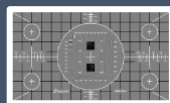
© 2017 by the Society of Motion Picture & Television Engineers®, Inc. (SMPTE®)

SMPTE Digital Library



Professional Development Academy
Enabling Global Education

- Focuses on innovative content for technologies within the communications, media, and entertainment industries.
- More than 24,000 documents in all, including unlimited full-text access to all SMPTE standards, journal articles, and conference papers.
 - More than 800 standards, including the iconic SMPTE Color Bars Television Test Patterns© with a backfile to 1964.
 - The peer reviewed SMPTE Motion Imaging Journal—more than 22,000 articles with a backfile to 1916.
 - SMPTE conference proceedings, including the Annual SMPTE Technical Conference and Exhibition—nearly 2,000 papers back to 1969.



SMPTE Standards



Professional Development Academy
Enabling Global Education

- Internationally recognized standards development body
- Since its founding in 1916, SMPTE has developed more than 800 standards, recommended practices, and engineering guidelines
- Focused on film and digital cinema, television, and Internet video
- SMPTE adds an average of 50 new standards annually
- Abides by the ANSI and ISO due process for initiating, approving, revising and removing standards
- Facilitates interoperability and therefore business

By providing structure, organization, and interoperability, SMPTE has helped advance the motion-imaging industry through all of the major transitions, from the advent and integration of sound and color to the shift from celluloid and analog to digital formats, including digital cinema, high-definition TV (HDTV), and 3D TV.

© 2017 by the Society of Motion Picture & Television Engineers®, Inc. (SMPTE®)



SMPTE Topics



Professional Development Academy
Enabling Global Education

SMPTE content follows the image from “glass to glass” (from camera to television or monitor), with focus on creating and maintaining the quality of a digital image and experience from creation to display, including standardizing and enhancing methods/technology for:

- | | | |
|---|--|---|
| <input type="checkbox"/> Audio | <input type="checkbox"/> File Formats | <input type="checkbox"/> Security |
| <input type="checkbox"/> Broadband | <input type="checkbox"/> Film | <input type="checkbox"/> Stereoscopic |
| <input type="checkbox"/> Cameras | <input type="checkbox"/> Image Formats | <input type="checkbox"/> Subtitles |
| <input type="checkbox"/> Captions | <input type="checkbox"/> Interfaces | <input type="checkbox"/> Television |
| <input type="checkbox"/> Compression | <input type="checkbox"/> Metadata | <input type="checkbox"/> Test & Measurement |
| <input type="checkbox"/> Control | <input type="checkbox"/> Networks | <input type="checkbox"/> Time & Sync |
| <input type="checkbox"/> Digital Cinema | <input type="checkbox"/> Projection | <input type="checkbox"/> Wrappers |
| <input type="checkbox"/> Display | <input type="checkbox"/> Recording | |

© 2017 by the Society of Motion Picture & Television Engineers®, Inc. (SMPTE®)

SMPTE Benefits



Professional Development Academy
Enabling Global Education

- Provides key research on creation and delivery of quality images from camera to display
- Opens business opportunities by using industry-accepted standardized methods
- Describes state-of-the-art workflows for content creation and distribution
- Encourages system interoperability of products within the marketplace
- Accelerates innovation by understanding the media technology landscape
- Increases productivity by providing access to previous research, avoiding redundant efforts



© 2017 by the Society of Motion Picture & Television Engineers®, Inc. (SMPTE®)

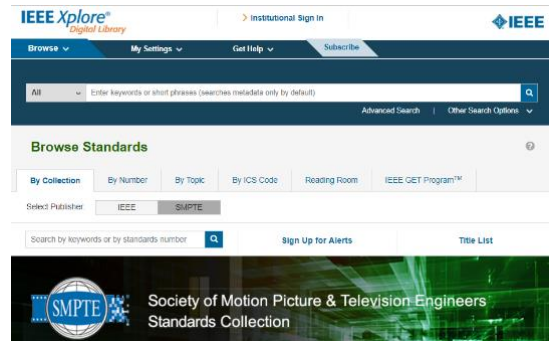


Accessing SMPTE Digital Library



Professional Development Academy
 Enabling Global Education

- SMPTE Digital Library is accessible via the IEEE *Xplore* Digital Library:
www.ieee.org/ieeexplore
- Users can browse SMPTE content within the IEEE *Xplore* digital library and access their subscriptions seamlessly.



© 2017 by the Society of Motion Picture & Television Engineers®, Inc. (SMPTE®)

IEEE *Xplore* complimentary content



Professional Development Academy
 Enabling Global Education

- Current Journals
 - Broadcasting, IEEE Transactions on
 - Display Technology, IEEE/OSA Journal of
 - Consumer Electronics, IEEE Transactions on
 - Image Processing, IEEE Transactions on
 - Multimedia, IEEE Transactions on
 - Circuits and Systems for Video Technology, IEEE Transactions on
- Conferences
 - Annual IEEE Broadcast Symposium
 - International Conference on Image Processing
- Legacy Journals
 - Broadcast Transmission Systems, IRE Transactions on (1955 - 1958)
 - Broadcast and Television Receivers, IEEE Transactions on (1963 – 1974)
- And more...



© 2017 by the Society of Motion Picture & Television Engineers®, Inc. (SMPTE®)



Professional Development Academy
Enabling Global Education

SMPTE Account Linking

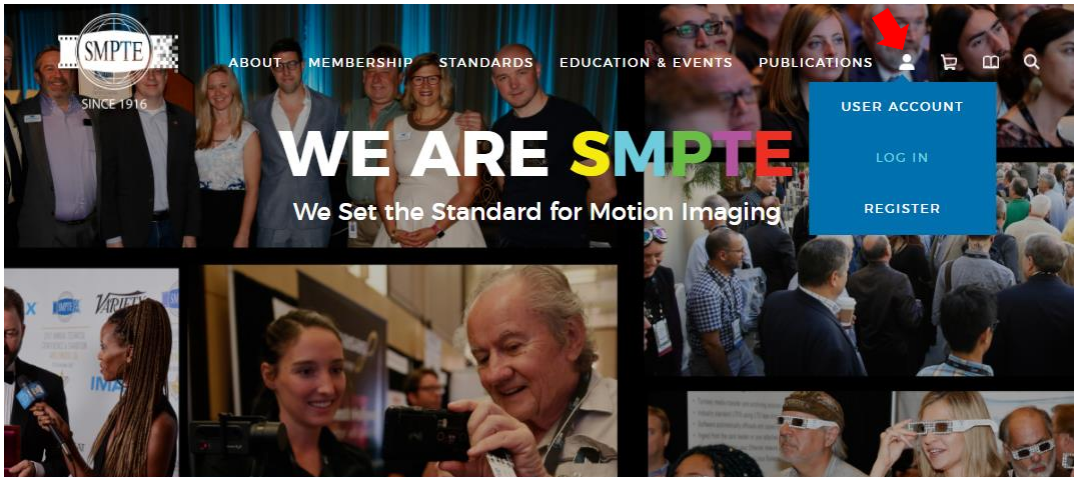
© 2017 by the Society of Motion Picture & Television Engineers®, Inc. (SMPTE®)

SMPTE Account Linking



Professional Development Academy
Enabling Global Education

Click on Log In on www.smpte.org :



SMPTE Account Linking

Enter SMPTE Login Credentials



Professional Development Academy
Enabling Global Education



[Create an account](#) | [Log in to your account](#) | [Request a new password](#)

Username or e-mail address *

You may login with either your assigned username or your e-mail address.

Password *

The password field is case sensitive.

[Log in](#)

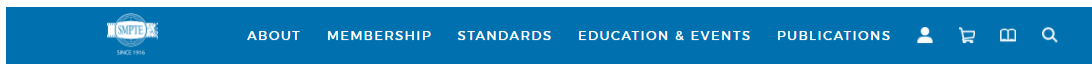


SMPTE Account Linking

Click on IEEE Linking



Professional Development Academy
Enabling Global Education



My Account

- [Account Summary](#)
- [Edit Account Settings](#)
- [Edit Personal Information](#)
- [Edit Employment Information](#)
- [Edit Mailing Address](#)
- [Edit Directory Listing](#)
- [Edit Communication Preferences](#)
- [Logout](#)

Member Links
(Individual): Renew and Purchase

[Password](#) | [Order history](#)

Personal Information

Salutation
First / Given Name Jalyn
Middle Name or Initial
Last / Family Name Kelley
Suffix
Date of Birth
Gender

[» Edit Personal Information](#)

Employment Information

MY SMPTE

Member Number
3000213938

IEEE LINKING

[Click here to link your SMPTE account with IEEE and gain access to your membership benefits.](#)

SMPTE Account Linking

Click on IEEE Linking



Professional Development Academy
Enabling Global Education

The SMPTE Digital Library is now part of the IEEE Xplore Library.

In order to access the SMPTE Digital Library, including the *Motion Imaging Journal*, you must have also have an IEEE account. You will be able to link your SMPTE account so that you will have access to your SMPTE Digital Library benefits (access to the Journal, discounts, etc.) while logged into your IEEE account. Click on the link below to link your accounts.

Click on this link to create a new IEEE account and/or link an existing IEEE account.

You may also access the SMPTE Digital Library without linking or creating an IEEE Account. (However, you will not receive your SMPTE library benefits unless you link your account.)

Click here to go to IEEE without linking accounts.

Click here to contact SMPTE Support if you have questions.

Did you like what you read? Share it:

SMPTE Account Linking



Professional Development Academy
Enabling Global Education

Sign In with IEEE Account or Create IEEE Account

IEEE - Sign in to access the secure content

Don't have an IEEE Account yet?

- > sign in to various IEEE sites with a single account;
- > manage your membership;
- > get member discounts;
- > personalize your experience;
- > manage your profile and order history.

> [Create IEEE Account](#)

Already have an account? **Sign in using your existing account.**

Sign in

E-mail address:

Password:

> [IEEE Members: Forgot password](#)

Sign in



SMPTE Account Linking



Professional Development Academy
Enabling Global Education

IEEE LINKING COMPLETED



Congratulations!

You have successfully completed the account linking process. You may now access all your SMPTE Digital Library benefits and discounts whenever you login to IEEE Xplore.

Although the account linking usually processes quickly, please note that it may take up to an hour for the linking to become active.

To access the Digital Library, please [click here](#).

Click here for the [SMPTE Home Page](#)

Please note: You must have an active SMPTE membership to access the complete SMPTE Motion Imaging Journal and/or receive discount pricing on single standards and conference papers. Login in at smpte.org to check your status or to renew your membership today!



© 2017 by the Society of Motion Picture & Television Engineers®, Inc. (SMPTE®)



Professional Development Academy
Enabling Global Education

IEEE Xplore Demo ieeexplore.ieee.org

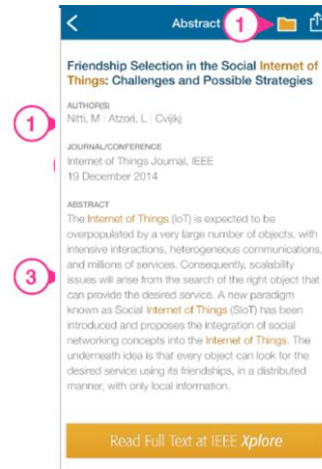
© 2017 by the Society of Motion Picture & Television Engineers®, Inc. (SMPTE®)

Becoming Mobile-Friendly: MyXplore App



Professional Development Academy
Enabling Global Education

- Value-added convenience for current and prospective IEEE Xplore users
- Easy way to stay current on new papers in one's field(s) of interest
- Smartphone "badge" notifications on new items that match user's interests
- Quick and simple setup
- Scan new alerts / save to folder
- View abstract
- Link to article on IEEE Xplore



© 2017 by the Society of Motion Picture & Television I

Questions?

Jalyn Kelley
Client Services Manager
Email: jalyn.kelley@ieee.org
Phone: 210.599.6430



Professional Development Academy
Enabling Global Education

© 2017 by the Society of Motion Picture & Television Engineers®, Inc. (SMPTE®)