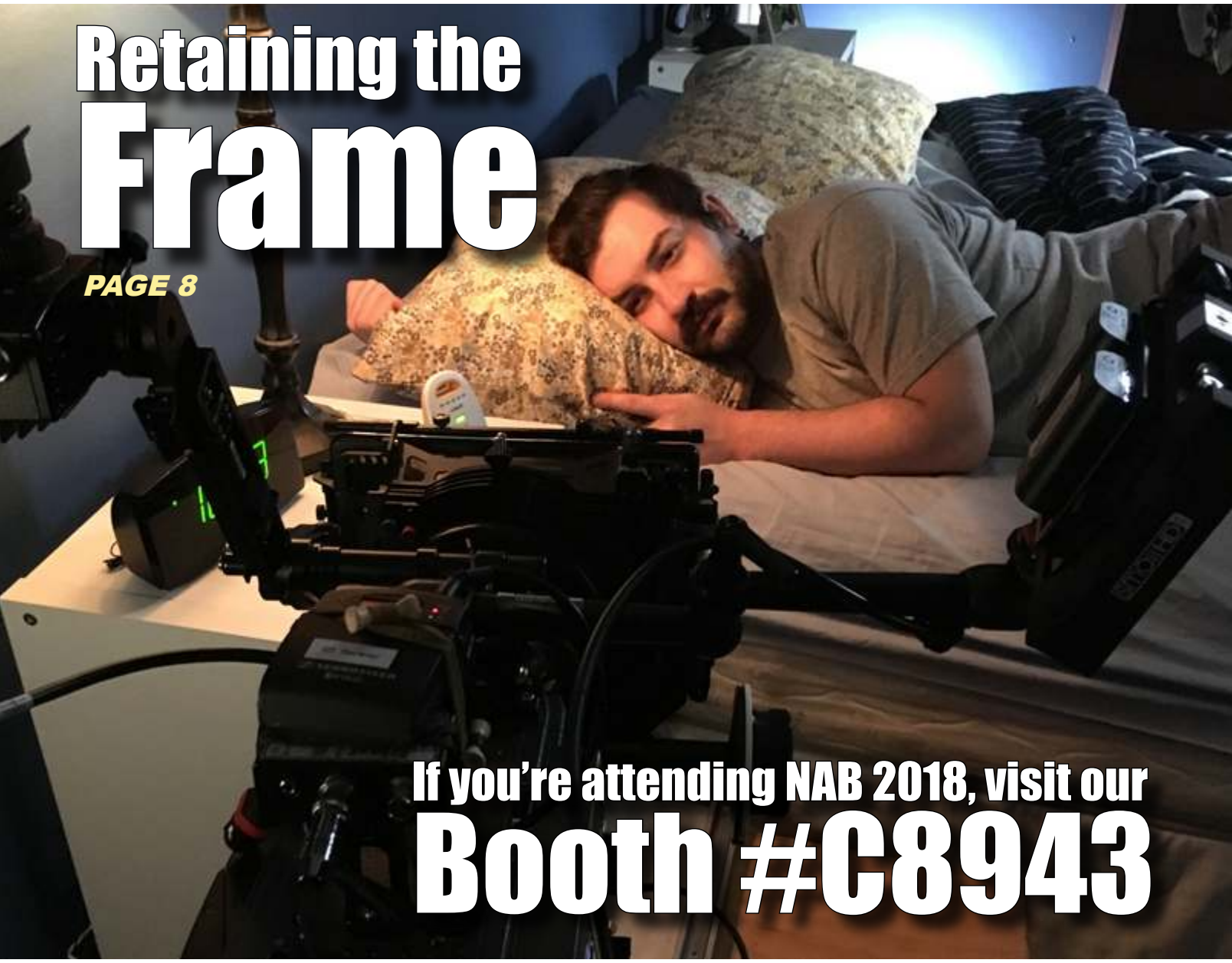
StudentFilmmakers.com Book Store | News | Jobs | Events | Workshops | Forums | Network | Contests | Classifieds | Tips & Tricks

STUDENTFILMMAKERS

The #1 Educational Resource for Film and Video Makers

2018, Vol. 13, No. 1 US$9.95



Retaining the Frame

PAGE 8

If you're attending NAB 2018, visit our

Booth #C8943



DOCUMENTARY
SHOOTING REALITY *P24*



SGM-250
MICROPHONE *P16*



STORAGE
WORKFLOW *P29*



COLOR
VIDEO CHARTS *P27*



SOUND SHARK
AUDIO *P23*

PUSHPLAY

LACIE

SUBMIT YOUR SHORT FILMS

Compete for $25k in prizes

We want to unearth the brightest short filmmakers and support them on their journey to greatness. The grand prize winner of PushPlay will receive a coveted state-of-the-art production suite.

Register at:

collective.lacie.com/pushplay



SAVE 5%

on any LACIE Hard Drive Purchase.

Enter Promo Code: ***LACIESF18*** at checkout

Filmtools.com

Offer expires April 30, 2018. Limited 1 per customer. Only valid on LaCie products purchased from www.filmtools.com.

MEET THE WRITERS



SCOTT ESSMAN's filmography includes more than 28 productions including *Jack Pierce: The Man Behind the Monsters*, *Ten Men on the Field*, and *Trane and Miles*. He won a Rondo Award for Best Feature Film Commentary for work on the Legacy Set of Universal's *The Mummy* (1932 version). Essman has published over 500 articles about people who work behind-the-scenes in movies. He teaches mass media, filmmaking, and digital video editing.



WILLIAM DONARUMA is currently a Teaching Professor in Filmmaking at the University of Notre Dame and also serves as Creative Director for the Office of Digital Learning. His courses involve narrative digital cinema production as well as visual research in anthropology stemming from his documentary work off the coast of Ireland. He forged careers in academia, cinematography and directing winning awards for both teaching and filmmaking. www.williamdonaruma.com



SHERRI SHERIDAN is a leading world expert in teaching story to digital filmmakers, animators, screenwriters and novelists. New book coming soon "Filmmaking Script To Screen Step-By-Step" with an app. Other books include "Maya 2 Character Animation" (New Riders 1999), "Developing Digital Short Films" (New Riders / Peachpit / Pearson 2004) and "Writing A Great Script Fast" (2007). Sherri is the CEO and Creative Director at MindsEyeMedia.com and MyFlik.com in San Francisco.



FRED GINSBURG, CAS, PH.D.is a highly experienced and award winning professional sound mixer whose decades of work includes features, episodic TV series, national TV commercials, corporate, and government. He is a member of the Cinema Audio Society, and the University Film & Video Assocation. Fred holds doctorate, graduate, and undergraduate degrees in filmmaking; has published more than 180 articles; and wrote the "Guide to the Nagra 4.2 and Production Sound Recording".



AL CAUDULLO's multiple award-winning career has spanned 30 years of video production including excellence in HD, 3D and now 4K UltraHD. His career highlights include ground-breaking work in Videowalls - the 72nd Annual Academy Awards, the Year 2000 Daytona 500, the World Film Premiere of "Star Trek Insurrection," and the 100th US Open PGA Golf Championship. In the field of 3D, Caudullo has brought his vast knowledge of 3D as a consultant to major industry players seeking to update and enhance their 3D hardware and software tools.



DAVID LANDAU is the author of "Film Noir Production: The Whodunit of the Classic American Mystery Film" from Focal/Routledge press. He is also an award winning cinematographer and author of the book "Lighting For Cinematography; A practical guide to the art and craft of lighting for the moving image" from Bloomsbury Press. He holds an MFA in Screenwriting from Goodard college and is the co-screenwriter of the feature film "Dark Tarot", available on Amazon Prime. David is a professor in the film department at Fairleigh Dickinson University, but also continues to work professionally as a DP on low budget films and corporate videos and as the lead gaffers on Lifetime's "Project Runway Allstars".



DAVID APPLEBY has been making documentary films for over forty years. He began teaching at the University of Memphis in 1977 where he began producing films on regional subjects – independently and for public television. When he was awarded a Kellogg Fellowship in International Development in 1987, he began to concentrate his film work on community development issues and civil rights. His films have aired nationally on PBS, ABC, A&E, and Starz. www.memphis.edu



KRISTEN BAUM is a Sundance Fellow and LA-based film composer. She works on a broad range of projects. Her music is on soundcloud.com/kristen-baum, her website is kristenbaum.com, her film credits are at imdb.me/kristenbaum. *Photo by Daniel Kresco.*



NEIL LANDAU is a bestselling author, producer and award-winning screenwriter who runs the Writing for Television program in the UCLA Department of Film, Television and Digital Media (his alma mater). Credits include *Don't Tell Mom the Babysitter's Dead, Melrose Place, The Magnificent Seven, Doogie Howser, M.D., The Secret World of Alex Mack, Twice in a Lifetime,* MTV's *Undressed* and one-hour drama pilots for CBS, ABC, Freeform, Warner Bros., Disney, Lifetime and Fremantle. Neil has served as Executive Script Consultant for Sony Pictures Television and Columbia Pictures. Neil penned the bestselling *101 Things I Learned in Film School, The Screenwriter's Roadmap, The TV Showrunner's Roadmap* and *TV Outside the Box: Trailblazing in the Digital Television Revolution.* www.neillandau.com



STEVE MYERS Based in Chicago, Steve Myers brings over 30 years of experience in writing and producing music for film, video, albums, television, radio and live events. As a composer, engineer and music director, Steve has worked on film and video projects for Anheuser Busch, McDonald's, McDonald's Beijing, Disney-Buena Vista, Ronald McDonald House Charities, United Airlines, PepsiCo, Taco Bell, John Deere, Volkswagen, Ford Motor Co., United Parcel Service, United States Post Office, Pfizer, Kraft Foods, Searle, Allstate, Abbott Labs, Willow Creek Church, Willow Creek Association and more.



GABRIEL GARCIA ROSA Gabriel works as a Director of Photography for TV & Various Media. Currently filming 5 shows at a time for SinoVision English Channel as well as freelance work. gabrielrosadp.com Instagram @ gabrielgarciarosa



LADSON MARK JONES is a reporter for *StudentFilmmakers* Magazine and *HD Pro Guide* Magazine and covers NAB, IBC, and other tradeshows & events for Welch Media, Inc. studentfilmmakers.com hdproguide.com

StudentFilmmakers Magazine Announces

Must-Visit Booths at NAB 2018

LaCie

NAB Booth # SL9610

collective.lacie.com/pushplay
www.lacie.com

This year at NAB Show, we're hosting a full lineup of award-winning pros who are ready to share their workflow tips with you. Join us for the COLLECTIVE Speaker Series at Booth SL9610.

Experience the future of live motion capture—no body suits. No marker placements. It's done in real time and it's all video based. Swing by our Creative Studios stage and see how we do it.

Check out the pro tools used by photographers, filmmakers, and production studios.

Sound Shark Audio

NAB Booth # C6750

www.soundsharkaudio.com

The Sound Shark is an sound intensifier that allows an ordinary lapel microphone to capture audio from greater distances that a typical shotgun microphone. It has been used to capture wedding vows from 50 feet, it from five feet away it sounds like the speaker is wearing the lapel mic. The Sound Shark also provides greater directionality than a shot gun microphone. This means that it rejects, or ignores, more of the sounds off to the side, or behind, the microphone. This allows clearer audio to be captured in noisy environment like a convention hall or press conference. The design of the Sound Shark also greatly reduces, or eliminates, the wind noise that plagues shotgun microphones.

Azden Corporation

NAB Booth # C8438

www.azden.com

Founded in 1952, Tokyo, Japan, Azden has over 60 years of experience to back its expertise in audio equipment manufacturing. Started as an OEM manufacturer, Azden has provided its products to many of the top audio and electronics brands. Now a well established and independent brand name, Azden is well known in the audio market around the world. Specializing in microphones and wireless audio for video production, Azden's mission is to provide video creators and film makers with quality audio gear at an affordable price.

https://www.facebook.com/AzdenUS
http://instagram.com/azdenproaudio
http://youtube.com/AzdenUSA
http://twitter.com/azdencorp

MAC Group

NAB Booth # C6643

www.macgroupus.com

Our passion for image-making shows in our commitment to those who are dedicated to mastering the art of photo and video. Whether you're a photographer or filmmaker, we handle all your creative needs by supplying you with the world's finest image-making tools. Each company we represent draws strength from being part of MAC Group. Brand value is grown continuously as we collaborate with clients to develop integrated, data-based solutions.

Six of our brands are proud to be sharing new products at NAB Booth #C6643 this year: Benro, Kupo, Light & Motion, Sekonic, Tenba.

www.benrousa.com
www.kupogrip.com
www.stellaprolights.com
www.sekonic.com
www.tenba.com

Carl Zeiss

NAB Booth # C3639

www.zeiss.com/cine/cp3

There's a great many new cameras being launched this year with full frame sensors and ZEISS has lenses for all of them. With superb sharpness and excellent control over aberration, full frame cine lenses from ZEISS assure you complete coverage of every sensor used today. ZEISS also offers you full control of your metadata with its line of Compact Prime, CP.3 XD lenses. Want to see for yourself? Join us at NAB in Las Vegas in April! You can find us in the center hall, booth #3639. ZEISS has you covered.

RigWheels, LLC

NAB Booth # C11445

www.rigwheels.com

RigWheels has backed up the truck and dropped off a ton of new products and configurations for NAB. Known for practical, useable and portable products like the Cloud Mount and Passport Dolly, RigWheels new products like the Slingshot continue to provide ORIGINAL solutions for moving and mounting your production tools.

Sigma Corporation of America

NAB Booth # C10308

www.sigmaphoto.com

Sigma Cine lenses are designed for the latest camera sensor technology and optimized for 6K-8K productions. The Sigma Cine line includes the S35 High Speed Zoom Line, the FF Zoom Line and FF High Speed Prime Line. Featuring an attractive price point and compact design, all lenses are available in EF, E and PL mounts. Leveraging outstanding optical design of the celebrated Sigma Global Vision line with 100% retained optics, Sigma Cine features a 100% new mechanical lens body design, catering to the needs of the modern cinematographer. Each Sigma lens is handcrafted and individually tested in Sigma's sole facility in Aizu, Japan.

blog.sigmaphoto.com
www.instagram.com/sigmacine
www.facebook.com/SigmaCineUS

StudentFilmmakers Magazine

NAB Booth # C8943

www.studentfilmmakers.com

The *StudentFilmmakers* readers and online community are creating the award-winning films of tomorrow using the latest technologies. They are learning to work with the equipment they will use for the rest of their careers. And, in an industry that changes each day, even the pros need to keep learning and many have found *StudentFilmmakers* to be an excellent resource.

There simply is no other magazine on the market that specifically serves the aspiring filmmakers community like *StudentFilmmakers* Magazine. *StudentFilmmakers* Magazine is the bright star of industry publications covering the latest technologies and workflows. Each issue addresses the needs of the five distinct phases of film and video making for educators, students and the continuing education of the professionals of today's industry.

StudentFilmmakers.com, **#1 Educational Resources for Film and Video Makers,** brings together students, professors, and independent filmmakers of all levels around the globe into one network and community.

The StudentFilmmakers print/digital trade publication, interactive website, and free monthly E-newsletters cover various topics with special focus on the five stages of filmmaking: Development, Pre-Production, Production, Post Production, and Distribution. High-level educational articles, insider techniques and best practices, stories, interviews, industry news, and high-end technology news highlight categories such as Cinematography, Lighting, Directing, Camerawork, Editing, Audio, Animation, Special FX, Screenwriting, Producing, Distribution, and more.

Learn about the latest, cutting-edge technologies and techniques and join the Filmmakers Global Network at https://networking.studentfilmmakers.com.

Visit Us Online
www.studentfilmmakers.com

Publisher and Editor
Kim Edward Welch
https://networking.studentfilmmakers.com/profile/Kim_Welch

Editor-in-Chief
Jody Michelle Solis
https://networking.studentfilmmakers.com/profile/jodymichelle

Contributing Writers
Thomas Ackerman, ASC, Jack Anderson, Anthony Q. Artis, David Appleby, Arledge Armenaki, John Badham, Christopher Ball, CSC, Karl Bardosh, Kristen Baum, Jeremiah Baumbach, Al Caudullo, Michael Corbett, William Donaruma, Pamela Douglas, Scott Essman, Carl Filoreto, Jon Firestone, Fred Ginsburg, CAS, Ph.D., MBKS, Dean Goldberg, Charles Haine, John Hart, Jared Isham, David Kaminski, Michael Karp, SOC, Carole Kirschner, John Klein, David Landau, Neil Landau, Kwanshun Lau, Monty Hayes McMillan, M. David Mullen, ASC, Steve Myers, Gleb Osatinski, Ryan Pickett, Theresa Meeker Pickett, Patrick Reis, Gabriel Garcia Rosa, Peter John Ross, Dr. Linda Seger, Sherri Sheridan, Michael Skolnik, Pamela Jaye Smith, Scott Spears, Peter Stein, ASC, Mike Valentine, BSC, Saro Varjabedian, William F. Vartorella, Ph.D., C.B.C., Bart Weiss, David Worth, Dean Yamada

Advertising & Sponsorship Opportunities:

Kim E. Welch: 917.743.8381

Contact StudentFilmmakers.com
www.studentfilmmakers.com/contact-us
917.743.8381 (US and International)

Subscriptions, bulk orders, and collections:
www.studentfilmmakers.com/store
6 Issues $59.70
12 Issues $119.40
24 Issues $238.80
36 Issues $358.20

For subscription, mailing address change and distribution inquiries, send an email to www.studentfilmmakers.com/contact-us

StudentFilmmakers Magazine, established in 2006, is published in Dallas, Texas, by StudentFilmmakers.com. Opinions are solely those of the authors. Letters, article queries, photos, movie stills, film submissions, and unsolicited manuscripts welcome, but returned only with SASE Submissions are subject to editing for style, content, and to exclusive rights provisions in this publication.

Advertising: Rate card upon request.

Copyright 2018 StudentFilmmakers.com
(All rights reserved.) Printed in the USA.

Postmaster
Send address change to:
StudentFilmmakers Magazine
400 N. Saint Paul St., Suite 750,
Dallas, TX 75201

STUDENTFILMMAKERS
The #1 Educational Resource for Film and Video Makers





CONTENTS

Pages 4-5
EVENTS / ANNOUCEMENTS
Must-Visit Booths
At NAB 2018

Pages 6-7
WELCOME
Table of Contents

Page 3
MEET THE WRITERS
In This Issue

Page 8
CAMERAWORK
Retaining the Frame
By William Donaruma

Pages 10-11
PRODUCTION SOUND
Calling for the Roll aka "Turn 'Em Over"
By Fred Ginsburg, CAS, PH.D.

Pages 16 & 18
PRODUCTION SOUND
Understanding Microphone Frequency Response

Page 23
PRODUCTION SOUND
Sound Shark
The 'Zoom Lens' of Audio
By Ladson Mark Jones

Page 12
DIRECTING
Talking to Your Composer
By Kristen Baum

Pages 14-15
HOW-TO
21 Ways: How to Make Scenes
Adding Obstacles, Conflicts & Traps
By Sherri Sheridan