

IS&T Archiving Conference (ARCHIVING 2021)

Online
9 - 24 June 2021

ISBN: 978-1-7138-3715-2

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2021) by Society for Imaging Science & Technology
All rights reserved.

Printed with permission by Curran Associates, Inc. (2021)

For permission requests, please contact Society for Imaging Science & Technology
at the address below.

Society for Imaging Science & Technology
7003 Kilworth Lane
Springfield, Virginia 22151
USA

Phone: 703-642-9090

Fax: 703-642-9094

info@imaging.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

ACCESS I

VESSEL: A CULTURAL HERITAGE GAME FOR ENTERTAINMENT	1
<i>B. Bissell, M. Morris, E. Shaffer, M. Tetzlaff, S. Berrier</i>	
THE SUSTAINABLE DEVELOPMENT OF SPORTS CULTURE VIA DIGITAL ARCHIVES	7
<i>Y. Hsieh, Y. Fang</i>	
MEMORIAALI – AN ONLINE PLATFORM FOR DIGITAL RECEPTION AND ENRICHMENT OF ARCHIVED MATERIALS	14
<i>S. Simpanen, A. Jaaskelainen, M. Kokkonen</i>	
LAYERING HISTORICAL MAPS AND CENSUS DATA FOR INTERACTIVE VISUALIZATIONS IN HISTORYFORGE	18
<i>C. Lovell, R. Kibbee</i>	

ACCESS II

CREATING A SELF-CONTAINED INTERACTIVE EXPERIENCE USING USDZ	24
<i>S. Geffert</i>	

ACCESS/METADATA

DIGITIZING CONSERVATION: DEVELOPING DATA MODELS FOR PRESERVATION DATA	28
<i>R. Lieu</i>	
ADDRESSING THE CHALLENGES OF INTEROPERABILITY AND CULTURAL HERITAGE DATA	33
<i>F. France, A. Forsberg</i>	

IMAGING/TECHNICAL I

TECHNICAL AND SCIENTIFIC IMAGING FOR ARCHAEOLOGICAL PURPOSE – A BRAZILIAN CASE.	38
<i>A. Costa, A. Leao, L. Souza</i>	
EN 17650 – THE NEW STANDARD FOR DIGITAL PRESERVATION OF CINEMATOGRAPHIC WORKS	43
<i>S. Foessel, H. Sparenberg</i>	
EMULATION OF HISTORICAL SOFTWARE AS A TOOL FOR RESEARCH AND PEDAGOGY: A CASE STUDY IN THE HISTORY OF CAD	47
<i>D. Llach, E. Kaltman</i>	
SPECTRAL IMAGING METHOD FOR TRANSMISSIVE MEDIA	51
<i>D. Wyble</i>	

A PRACTITIONER’S GUIDE TO FRINGE PROJECTION PROFILOMETRY	56
<i>S. Padhye, D. Messinger, J. Ferwerda</i>	

PREDICTING CAMERA COLOR QUALITY	61
<i>R. Berns</i>	

IMAGING/TECHNICAL II

COLOR ACCURACY-GUIDED DATA REDUCTION FOR PRACTICAL LED-BASED MULTISPECTRAL IMAGING	65
<i>O. Kuzio, S. Farnand</i>	

SURFACE METROLOGY AND DATA SCIENCE/ANALYTICS APPLIED TO MODERN ASIAN LACQUER SURFACES	71
<i>H. Sheets, P. Ravines, M. Webb</i>	

THE DIGITAL SOUTH CAUCASUS COLLECTION: AN INTERNATIONAL DIGITAL LIBRARY PROJECT	76
<i>J. Smith</i>	

VISUALIZING FOR DIFFERENT AUDIENCES: VARIOUS VIEWS	79
<i>F. France, A. Forsberg, A. Davis, H. Johnson</i>	

IMAGING/TECHNICAL III

THINKING OUTSIDE THE COLOR PROFILING CAPTURE BOX	84
<i>D. Williams, P. Burns</i>	

PRESERVATION I

MOBILIZING MATERIALITY: THE ROLE OF DIGITISATION IN THE PRESERVATION OF AND ACCESS TO BERENICE ABBOTT’S ACETATE NEGATIVES	87
<i>L. Ramsey, C. Heath</i>	

ISSUES OF FIDELITY AND AUTHENTICITY IN DIGITAL RESTORATION OF BLACK- AND-WHITE FILMS	91
<i>M. Jicha</i>	

EVALUATION OF TEXT LEGIBILITY IN ALTERNATIVE IMAGING APPROACHES TO MICROFICHE DIGITIZATION	96
<i>H. Deborah, D. Mandal</i>	

PRESERVATION II

DATA OPERATIONS AND AN APPLICATION FOR TRANSLATING RUSSIAN SPEECH TO FRENCH TEXT	102
<i>S. Simske, M. Vans</i>	

DIGITAL ARCHIVING OF CIVIL WAR GRAFFITI FOR RESEARCH & ACCESS	107
<i>A. Loewenwarter, M. Misch, K. Jacobsen, M. Kelly, M. Toth</i>	

Author Index