

# **2021 ACM/IEEE Joint Conference on Digital Libraries (JCDL 2021)**

**Virtual Conference  
27-30 September 2021**



**IEEE Catalog Number: CFP21JCD-POD**  
**ISBN: 978-1-6654-1771-6**

**Copyright © 2021 by the Institute of Electrical and Electronics Engineers, Inc.  
All Rights Reserved**

*Copyright and Reprint Permissions:* Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

***\*\*\* This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP21JCD-POD
ISBN (Print-On-Demand):	978-1-6654-1771-6
ISBN (Online):	978-1-6654-1770-9

**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  
E-mail: [curran@proceedings.com](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

CURRAN ASSOCIATES INC.  
**proceedings**  
.com

# 2021 ACM/IEEE Joint Conference on Digital Libraries (JCDL) JCDL 2021

## Table of Contents

Message from the General Chair .....	xiv
Message from the Program Committee Chairs .....	xv
Organizing Committee .....	xvi
Program Committee .....	xvii
Doctoral Consortium .....	xxi
Keynotes .....	xxiii
Sponsors .....	xxv

## JCDL 2021 Full Papers

A Comparative Analysis of Article Recommendation Platforms .....	1
<i>Rand Alchokr (Otto von Guericke University), Jacob Krüger (Ruhr-University Bochum), Gunter Saake (Otto von Guericke University), and Thomas Leich (Harz University Wernigerode, Germany)</i>	
A New Methodology to Bring Out Typical Users Interactions in Digital Libraries .....	11
<i>Marwa Trabelsi (University of La Rochelle, France), Cyrille Suire (University of La Rochelle, France), Jacques Morcos (University of La Rochelle, France), and Ronan Champagnat (University of La Rochelle, France)</i>	
A Toolbox for the Nearly-Unsupervised Construction of Digital Library Knowledge Graphs .....	21
<i>Hermann Kroll (TU Braunschweig, Germany), Jan Pirklbauer (TU Braunschweig, Germany), and Wolf-Tilo Balke (TU Braunschweig, Germany)</i>	
Automatic Metadata Generation for Fish Specimen Image Collections .....	31
<i>Joel Pepper (Drexel University, USA), Jane Greenberg (Drexel University, USA), Yasin Bakis (Tulane University, USA), Xiaojun Wang (Tulane University, USA), Henry Bart (Tulane University, USA), and David Breen (Drexel University, USA)</i>	
Comparing Personalized PageRank and Activation Spreading in Wikipedia Diagram-Based Search. 41	
<i>Hisham Benotman (Purdue University) and David Maier (Portland State University)</i>	

Diachronic Analysis of German Parliamentary Proceedings: Ideological Shifts through the Lens of Political Biases .....	51
<i>Tobias Walter (University of Mannheim, Germany), Celina Kirschner (University of Mannheim, Germany), Steffen Eger (Technische Universität Darmstadt, Germany), Goran Glavaš (University of Mannheim, Germany), Anne Lauscher (University of Mannheim, Germany), and Simone Paolo Ponzetto (University of Mannheim, Germany)</i>	
Do You Think It's Biased? How To Ask For The Perception Of Media Bias .....	61
<i>Timo Spinde (University of Konstanz, Germany), Christina Kreuter (University of Konstanz, Germany), Wolfgang Gaissmaier (University of Konstanz, Germany), Felix Hamborg (University of Konstanz, Germany), Bela Gipp (University of Wuppertal, Germany), and Helge Giese (University of Konstanz, Germany)</i>	
Estimating Contemporary Relevance of Past News .....	70
<i>Mari Sato (Kyoto University, Japan), Adam Jatowt (University of Innsbruck, Austria), Yijun Duan (AIST, Japan), Ricardo Campos (LIAAD – INESC TEC, Polytechnic Institute of Tomar, Ci2 - Smart Cities Research Center, Portugal), and Masatoshi Yoshikawa (Kyoto University, Japan)</i>	
Garbage, Glitter, or Gold: Assigning Multi-Dimensional Quality Scores to Social Media Seeds for Web Archive Collections .....	80
<i>Alexander C. Nwala (Indiana University, USA), Michele C. Weigle (Old Dominion University, USA), and Michael L. Nelson (Old Dominion University, USA)</i>	
GraphConfRec: A Graph Neural Network-Based Conference Recommender System .....	90
<i>Andreea Iana (University of Mannheim, Germany) and Heiko Paulheim (University of Mannheim, Germany)</i>	
Improved Discoverability of Digital Objects in Institutional Repositories Using Controlled Vocabularies .....	100
<i>Bertha Chipangila (University of Zambia, Zambia), Erick Liswaniso (University of Zambia, Zambia), Andrew Mawila (University of Zambia, Zambia), Philomena Mwanza (University of Zambia, Zambia), Daisy Nawila (University of Zambia, Zambia), Robert M'sendo (University of Zambia, Zambia), Mayumbo Nyirenda (University of Zambia, Zambia), and Lighton Phiri (University of Zambia, Zambia)</i>	
It's All About The Cards: Sharing on Social Media Encouraged HTML Metadata Growth .....	110
<i>Shawn M. Jones (Los Alamos National Laboratory), Valentina Neblitt-Jones (Los Alamos National Laboratory), Michele C. Weigle (Old Dominion University), Martin Klein (Los Alamos National Laboratory), and Michael L. Nelson (Old Dominion University)</i>	
Museum Experience into a Souvenir: Generating Memorable Postcards from Guide Device Behavior Log .....	120
<i>Yoshiyuki Shoji (Aoyama Gakuin University, Japan), Kenro Aihara (National Institute of Informatics, Japan), Noriko Kando (National Institute of Informatics, Japan), Yuta Nakashima (Osaka University, Japan), Hiroaki Ohshima (University of Hyogo, Japan), Shio Takidaira (Aoyama Gakuin University, Japan), Masaki Ueta (University of Hyogo, Japan), Takehiro Yamamoto (University of Hyogo, Japan), and Yusuke Yamamoto (Shizuoka University, Japan)</i>	

Newsalyze: Effective Communication of Person-Targeting Biases in News Articles .....	130
<i>Felix Hamborg (Heidelberg Academy of Sciences and Humanities, Germany), Kim Heinser (University of Konstanz, Germany), Anastasia Zhukova (University of Wuppertal, Germany), Karsten Donnay (University of Zurich, Switzerland), and Bela Gipp (University of Wuppertal, Germany)</i>	
NoteLink: A Point-and-Shoot Linking Interface between Students' Handwritten Notebooks and Instructional Videos .....	140
<i>Ranjitha Jaddigadde Srinivasa (University of British Columbia), Samuel Dodson (University at Buffalo), Kyoungwon Seo (Seoul National University of Science and Technology), Dongwook Yoon (University of British Columbia), and Sidney Fels (University of British Columbia)</i>	
Profiling Web Archival Voids for Memento Routing .....	150
<i>Sawood Alam (Internet Archive, USA), Michele C. Weigle (Old Dominion University, USA), and Michael L. Nelson (Old Dominion University, USA)</i>	
Replaying Archived Twitter: When your Bird is Broken, will it Bring you down? .....	160
<i>Kritika Garg (Old Dominion University, USA), Himarsha R. Jayanetti (Old Dominion University, USA), Sawood Alam (Internet Archive, USA), Michele C. Weigle (Old Dominion University, USA), and Michael L. Nelson (Old Dominion University, USA)</i>	
S2AND: A Benchmark and Evaluation System for Author Name Disambiguation .....	170
<i>Shivashankar Subramanian (Allen Institute for Artificial Intelligence, USA; University of Melbourne, Australia), Daniel King (Allen Institute for Artificial Intelligence, USA), Doug Downey (Allen Institute for Artificial Intelligence, USA; Northwestern University, USA), and Sergey Feldman (Allen Institute for Artificial Intelligence, USA)</i>	
ScanBank: A Benchmark Dataset for Figure Extraction from Scanned Electronic Theses and Dissertations .....	180
<i>Sampanna Yashwant Kahu (Virginia Polytechnic Institute and State University, USA), William A. Ingram (Virginia Polytechnic Institute and State University, USA), Edward A. Fox (Virginia Polytechnic Institute and State University, USA), and Jian Wu (Old Dominion University, USA)</i>	
Scientific Data Management for Interconnected Critical Infrastructure Systems .....	192
<i>Gabriel A. Weaver (University of Illinois at Urbana-Champaign)</i>	
Surfacing Collective Harms in Privacy Sensitive Data .....	202
<i>Nicholas Weber (University of Washington, USA)</i>	
Visualizing Feature-Based Similarity for Research Paper Recommendation .....	212
<i>Corinna Breitingner (University of Konstanz, Germany; University of Wuppertal, Germany) and Harald Reiterer (University of Konstanz, Germany)</i>	

## JCDL 2021 Short Papers

A Deep Neural Architecture for Decision-Aware Meta-Review Generation .....	222
<i>Asheesh Kumar (Indian Institute of Technology, India), Tirthankar Ghosal (Charles University, CZ), and Asif Ekbal (Indian Institute of Technology, India)</i>	

Are Neural Language Models Good Plagiarists? A Benchmark for Neural Paraphrase Detection ....	226
<i>Jan Philip Wahle (University of Wuppertal, Germany), Terry Ruas (University of Wuppertal, Germany), Norman Meuschke (University of Wuppertal, Germany), and Bela Gipp (University of Wuppertal, Germany)</i>	
Automatic Metadata Extraction Incorporating Visual Features from Scanned Electronic Theses and Dissertations .....	230
<i>Muntabir Hasan Choudhury (Old Dominion University, USA), Himarsha R. Jayanetti (Old Dominion University, USA), William A. Ingram (Virginia Polytechnic Institute and State University, USA), Jian Wu (Old Dominion University, USA), and Edward A. Fox (Virginia Polytechnic Institute and State University, USA)</i>	
Change Summarization of Diachronic Scholarly Paper Collections by Semantic Evolution Analysis .....	234
<i>Naman Paharia (Indian Institute of Technology, India), Muhammad Syafiq Mohd Pozi (Universiti Utara, Malaysia), and Adam Jatowt (University of Innsbruck, Austria)</i>	
COMPARE: A Taxonomy and Dataset of Comparison Discussions in Peer Reviews .....	238
<i>Shruti Singh (Indian Institute of Technology Gandhinagar, India), Mayank Singh (Indian Institute of Technology Gandhinagar, India), and Pawan Goyal (Indian Institute of Technology Kharagpur, India)</i>	
DRESS: Data-Repository Enhancer Through Semantic Sources .....	242
<i>Angel L. Garrido (University of Zaragoza, Spain) and Carlos Bobed (University of Zaragoza, Spain)</i>	
Exploring the Classification of Traditional Chinese Bibliographies Through Interactive Visualization .....	246
<i>Wenqi Li (Peking University, China), Fengxiang Wang (Peking University, China), and Jun Wang (Peking University, China)</i>	
MexPub: Deep Transfer Learning for Metadata Extraction from German Publications .....	250
<i>Zeyd Boukhers (University of Koblenz-Landau, Germany), Nada Beili (University of Koblenz-Landau, Germany), Timo Hartmann (University of Koblenz-Landau, Germany), Prantik Goswami (University of Koblenz-Landau, Germany), and Muhammad Arslan Zafar (University of Koblenz-Landau, Germany)</i>	
Pathways to Data: From Plans to Datasets .....	254
<i>Anastasia Bennett (University of Washington, USA), Will Sutherland (University of Washington, USA), Yubing Tian (University of Washington, USA), Megan Finn (University of Washington, USA), and Amelia Acker (University of Texas at Austin, USA)</i>	
Recognize, Annotate, and Visualize Parallel Content Structures in XML Documents .....	258
<i>Marco Beck (University of Wuppertal, Germany), Moritz Schubotz (FIZ Karlsruhe, Germany), Vincent Stange (OriginStamp AG, Switzerland), Norman Meuschke (University of Wuppertal, Germany), and Bela Gipp (University of Wuppertal, Germany)</i>	
References of References: How Far is the Knowledge Ancestry .....	262
<i>Chao Min (Nanjing University, China), Jiawei Xu (Peking University, China), Tao Han (Nanjing University, China), and Yi Bu (Peking University, China)</i>	

Resource Types Linked in Academic Reading Lists .....	266
<i>Nandana Kumara (University of Waikato, New Zealand), Annika Hinze (University of Waikato, New Zealand), Nicholas Vanderschantz (University of Waikato, New Zealand), Claire Timpany (University of Waikato, New Zealand), and Sarah-Jane Saravani (University of Waikato, New Zealand)</i>	
Sharing is Caring! Joint Multitask Learning Helps Aspect-Category Extraction and Sentiment Detection in Scientific Peer Reviews .....	270
<i>Sandeep Kumar (Indian Institute of Technology Patna, India), Tirthankar Ghosal (Charles University, CZ), Prabhat Kumar Bharti (Indian Institute of Technology Patna, India), and Asif Ekbal (Indian Institute of Technology Patna, India)</i>	
Three Dimensions of Science: A Web Tool for 3D Visualization of Scientific Literature .....	274
<i>Jakub Swacha (University of Szczecin, Poland)</i>	

## JCDL 2021 Posters and Demos

Academic Storage Cluster .....	278
<i>Alexander von Tottleben (University of Wuppertal, Germany), Cornelius Ihle (University of Wuppertal, Germany), Moritz Schubotz (FIZ – Karlsruhe, Germany), and Bela Gipp (University of Wuppertal, Germany)</i>	
ACM-CR: A Manually Annotated Test Collection for Citation Recommendation .....	280
<i>Florian Boudin (Université de Nantes, France)</i>	
Analyzing Unconstrained Reading Patterns of Digital Documents Using Eye Tracking .....	282
<i>Bhanuka Mahanama (Old Dominion University, USA), Gavindya Jayawardena (Old Dominion University, USA), and Sampath Jayarathna (Old Dominion University, USA)</i>	
Are Altmetrics Proxies or Complements to Citations for Assessing Impact in Computer Science? .....	284
<i>Yusra Shakeel (Otto-von-Guericke University Magdeburg, Germany), Rand Alchokr (Otto-von-Guericke University Magdeburg, Germany), Jacob Krüger (Otto-von-Guericke University Magdeburg, Germany; Ruhr-University Bochum, Germany), Gunter Saake (Otto-von-Guericke University Magdeburg, Germany), and Thomas Leich (Harz University Wernigerode, Germany)</i>	
Assisted Text Annotation Using Active Learning to Achieve High Quality with Little Effort .....	287
<i>Franziska Weeber (University of Konstanz, Germany), Felix Hamborg (Heidelberg Academy of Sciences and Humanities, Germany), Karsten Donnay (Heidelberg Academy of Sciences and Humanities, Germany; University of Zurich, Switzerland), and Bela Gipp (University of Wuppertal, Germany)</i>	
Automatic Recognition of Learning Resource Category in a Digital Library .....	289
<i>Soumya Banerjee (IIT Kharagpur, India; Jadaoipur University, India), Debarshi Kumar Sanyal (Indian Association for the Cultivation of Science, India), Samiran Chattopadhyay (Jadavpur University, India), Plaban Kumar Bhowmick (IIT Kharagpur, India), and Partha Pratim Das (IIT Kharagpur, India)</i>	

Building the COVID-19 Portal By Integrating Literature, Clinical Trials, and Knowledge Graphs .....	291
<i>Aosen Wan (University of Texas at Austin), Yan Zhan (University of Texas at Austin), Sanjana Tripathi (University of Texas at Austin), Jiarong Yang (University of Texas at Austin), Mona Sachdev (University of Texas at Austin), Shreya Paithankar (Michigan State University), Joel Duerksen (Data2Discovery), Bin Chen (Michigan State University), and Ying Ding (University of Texas at Austin)</i>	
Cell Block HTML: Towards Spreadsheet-Based Text-Mining for the Masses .....	293
<i>Benjamin Wheeler (University of Waikato, New Zealand) and David Bainbridge (University of Waikato, New Zealand)</i>	
ConSTR: A Contextual Search Term Recommender .....	295
<i>Thomas Krämer (GESIS – Leibniz Institute for the Social Sciences, Germany), Zeljko Carevic (GESIS – Leibniz Institute for the Social Sciences, Germany), Dwaipayan Roy (IISER, India), Claus-Peter Klas (GESIS – Leibniz Institute for the Social Sciences, Germany), and Philipp Mayr (GESIS – Leibniz Institute for the Social Sciences, Germany)</i>	
Crowdsourced Linked Data Question Answering with AQUACOLD .....	297
<i>Nicholas Collis (University of Bedfordshire, England) and Ingo Frommholz (University of Wolverhampton, UK)</i>	
DSDB: An Open-Source System for Database Versioning & Curation .....	299
<i>Jackson Brown (University of Washington - Seattle) and Nicholas Weber (University of Washington - Seattle)</i>	
Evaluating BERT's Encoding of Intrinsic Semantic Features of OCR'd Digital Library Collections .....	308
<i>Ming Jiang (University of Illinois at Urbana-Champaign, USA), Yuerong Hu (University of Illinois at Urbana-Champaign, USA), Glen Worthey (University of Illinois at Urbana-Champaign, USA), Ryan C Dubniecek (University of Illinois at Urbana-Champaign, USA), Ted Underwood (University of Illinois at Urbana-Champaign, USA), and J Stephen Downie (University of Illinois at Urbana-Champaign, USA)</i>	
Extending Chromium: Memento-Aware Browser .....	310
<i>Abigail Mabe (Old Dominion University, USA), Michael L. Nelson (Old Dominion University, USA), and Michele C. Weigle (Old Dominion University, USA)</i>	
Finding the Relevance Between Publication Venues Based on Research Trend Similarity and Citation Relationships .....	312
<i>Tomoya Nishide (Doshisha University, Japan) and Marie Katsurai (Doshisha University, Japan)</i>	
Girl with a Pearl Earring: Supporting 'Close Reading' of Art in a Digital Library .....	314
<i>Sally Jo Cunningham (University of Waikato, New Zealand) and Carolina Short (University of Waikato, New Zealand)</i>	
Hypercanoe: Intelligent Sampling for Web Archive Collections .....	316
<i>Shawn M. Jones (Los Alamos National Laboratory), Michele C. Weigle (Old Dominion University), Martin Klein (Los Alamos National Laboratory), and Michael L. Nelson (Old Dominion University)</i>	



Incorporating Fairness in Paper Recommendation .....	318
<i>Reem Alsaffar (University of Arkansas, USA), Susan Gauch (University of Arkansas, USA), Mohammed Alqahtani (University of Arkansas, USA), and Omar Salman (University of Arkansas, USA)</i>	
Sharing the Past: the Library as Digital Co-Design Space for Intergenerational Heritage Preservation .....	320
<i>Peter J. Cobb (University of Hong Kong), Esther M. W. Woo (University of Hong Kong), Nicol F. C. Pan (University of Hong Kong), Vivian W. Q. Lou (University of Hong Kong), Xiao Hu (University of Hong Kong), Michael Cheng (University of Hong Kong), and Jesse Xiao (University of Hong Kong)</i>	
TASSY – A Text Annotation Survey System .....	322
<i>Timo Spinde (University of Konstanz, Germany), Kanishka Sinha (University of Konstanz, Germany), Norman Meuschke (University of Wuppertal, Germany), and Bela Gipp (University of Wuppertal, Germany)</i>	
Towards A Reliable Ground-Truth For Biased Language Detection .....	324
<i>Timo Spinde (University of Konstanz, Germany), David Krieger (University of Konstanz, Germany), Manuel Plank (University of Konstanz, Germany), and Bela Gipp (University of Wuppertal, Germany)</i>	
Towards Transparent Data Cleaning: The Data Cleaning Model Explorer (DCM/X) .....	326
<i>Nikolaus N. Parulian (University of Illinois, Urbana-Champaign) and Bertram Ludäscher (University of Illinois, Urbana-Champaign)</i>	
TweetPap: A Dataset to Study the Social Media Discourse of Scientific Papers .....	328
<i>Naman Jain (IIT Gandhinagar, India) and Mayank Singh (IIT Gandhinagar, India)</i>	
Understanding the Contributions of Junior Researchers at Software-Engineering Conferences .....	330
<i>Rand Alchokr (Otto von Guericke University Magdeburg), Jacob Krüger (Ruhr University Bochum), Yusra Shakeel (Otto von Guericke University Magdeburg), Gunter Saake (Otto von Guericke University Magdeburg), and Thomas Leich (Harz University Wernigerode)</i>	
User-Centred Application for Modeling Journeys in Digital Libraries .....	332
<i>Marwa Trabelsi (University of La Rochelle, France), Cyrille Suire (University of La Rochelle, France), Jacques Morcos (University of La Rochelle, France), and Ronan Champagnat (University of La Rochelle, France)</i>	
VeTo-web: A Recommendation Tool for the Expansion of Sets of Scholars .....	334
<i>Serafeim Chatzopoulos (Univ. of the Peloponnese, Greece), Thanasis Vergoulis (ATHENA RC, Greece), Theodore Dalamagas (ATHENA RC, Greece), and Christos Tryfonopoulos (Univ. of the Peloponnese, Greece)</i>	
Visualizing the Evolution of Information Retrieval via the ACM Computer Classification Codes .....	336
<i>Jan W. Buzydlowski (n/a) and Lillian N. Cassel (Villanova University)</i>	

Weak Supervision for Scientific Document Relevance Tagging .....	338
<i>Drahomira Herrmannova (Oak Ridge National Laboratory, USA), Chathika Gunaratne (Oak Ridge National Laboratory, USA), Vickie Walker (National Institute of Environmental Health Sciences, USA), Andrew Rooney (National Institute of Environmental Health Sciences, USA), Robert Patton (Oak Ridge National Laboratory, USA), Mary Wolfe (National Institute of Environmental Health Sciences, USA), and Charles Schmitt (National Institute of Environmental Health Sciences, USA)</i>	
What Did It Look Like: A Service for Creating Website Timelapses using the Memento Framework .....	340
<i>Dhruv Patel (Old Dominion University, USA), Michele C. Weigle (Old Dominion University, USA), Michael L. Nelson (Old Dominion University, USA), and Alexander C. Nwala (Indiana University, USA)</i>	
What Were People Searching For? A Query Log Analysis of An Academic Search Engine .....	342
<i>Shaurya Rohatgi (Pennsylvania State University), Jian Wu (Old Dominion University), and C. Lee Giles (Pennsylvania State University)</i>	

## JCDL 2021: Workshops

1st International Workshop on Digital Language Archives .....	344
<i>Oksana L. Zavalina (University of North Texas, USA) and Shobhana L. Chelliah (University of North Texas, USA)</i>	
Digital Infrastructures for Scholarly Content Objects .....	346
<i>Jodi Schneider (University of Illinois at Urbana-Champaign, USA), Anita de Waard (Elsevier, USA), Wolf-Tilo Balke (University of Braunschweig, Germany), Xiaoguang Wang (Wuhan University, China), Ningyuan Song (Nanjing University, China), Bolin Hua (Peking University, China), and Yuanxi Fu (University of Illinois at Urbana-Champaign, USA)</i>	
HistoInformatics2021: The 6th International Workshop on Computational History .....	348
<i>Yasunobu Sumikawa (Takushoku University, Japan), Ryohei Ikejiri (The University of Tokyo, Japan), Antoine Doucet (University of La Rochelle, France), Eva Pfanzelter (University of Innsbruck, Austria), Mohammed Hasanuzzaman (Technological University, Ireland), Gaël Dias (University of Caen Normandie, France), Ian Milligan (University of Waterloo, Canada), and Adam Jatowt (University of Innsbruck, Austria)</i>	
Workshop on the Future of Digital Libraries .....	350
<i>George Buchanan (University of Melbourne, Australia), Dana McKay (RMIT University, Australia), and David Bainbridge (University of Waikato, New Zealand)</i>	

## JCDL 2021: Tutorials

Introduction to and Hands-On Use Cases with HathiTrust Research Center's Extracted Features 2.0 Dataset .....	352
<i>Ryan Dubnicek (University of Illinois, USA) and Deren Kudeki (University of Illinois, USA)</i>	

Introduction to Digital Libraries .....	354
<i>Edward A. Fox (Virginia Tech, USA) and Yinlin Chen (Virginia Tech, USA)</i>	
JCDL 2021 Tutorial on Systemic Challenges and Computational Solutions on Bias and Unfairness in Peer Review .....	356
<i>Nihar B. Shah (Carnegie Mellon University, USA)</i>	
<b>Author Index</b> .....	<b>359</b>