

# TUG 2022 — Online — July 22–24, 2022

The forty-third annual TUG conference  
<https://tug.org/2022> ■ [tug2022@tug.org](mailto:tug2022@tug.org)

## Conference committee

Jennifer Claudio  
 Rohit Goswami  
 J r my Just  
 Robin Laakso  
 Ross Moore  
 Norbert Preining  
 Will Robertson  
 Arthur Rosendahl, co-principal organizer  
 Paulo Ney de Souza, co-principal organizer  
 Boris Veytsman  
 Alan Wetmore

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 Conference artwork: Jennifer Claudio

Thanks to all!



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Full time L<sup>A</sup>T<sub>E</sub>X consultant for more than 30 years; have worked for major publishing companies, leading universities, and scientific journals. Our macro packages are distributed on-line and used by thousands of authors. See our site for many examples: [texnology.com](https://texnology.com).

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# TUG 2022 program

(All times and days listed are UTC.)

<b>Thursday July 21</b>	13:00	Éric Guichard, ENS de Lyon CNRS; <i>L<sup>A</sup>T<sub>E</sub>X</i> workshop (in French) Jean-Michel Hufflen, FEMTO-ST & Univ. of Bourgogne Franche-Comté	
	16:00	Cheryl Ponchin, IDA/CCR-P; Sue DeMeritt, IDA/CCR-La Jolla	<i>L<sup>A</sup>T<sub>E</sub>X</i> workshop (in English)
	19:00	Alexánder Borbón Alpízar, El Tecnológico de Costa Rico <i>(continued)</i>	<i>Introducción a L<sup>A</sup>T<sub>E</sub>X</i> (in Spanish)
<b>Friday July 22</b>	15:00	Boris Veytsman, T <sub>E</sub> X Users Group	<i>Conference opening</i>
	15:15	Peter K. G. Williams, Center for Astrophysics   Harvard & Smithsonian	<i>The Tectonic Project: Envisioning a 21st-century T<sub>E</sub>X experience</i>
	16:00	Carlos Evia, Virginia Tech	<i>The future of technical documentation starts with its recent past</i>
	16:45	Joseph Wright, L <sup>A</sup> T <sub>E</sub> X Project	<i>siunitx: Launching version 3</i>
	17:30	Paulo Cereda, Overleaf	<i>The story of a silly package</i>
	18:15	Jennifer Claudio, San Jose, CA	<i>Revamping a youth chess workbook using L<sup>A</sup>T<sub>E</sub>X packages</i>
	20:00	Paulo Cereda, Overleaf	<i>IoT theatre presents: The Tempest</i>
	20:45	Lloyd Prentice, Writersglen Pub.	<i>A self-publisher's take on T<sub>E</sub>X</i>
	21:30	Hubert Hickman, Matthew Mariano, Haibin Wu, Hong Dat Cheung, Essex Management LLC	<i>Using L<sup>A</sup>T<sub>E</sub>X deployed in AWS as a PDF report generation tool for a cancer clinical trial search engine</i>
	22:15	David Blakesley, Clemson University	<i>The residual concepts of production vs. the emergent cultures of distribution in publishing</i>
<b>Saturday July 23</b>	00:00	Oliver Austin, UC Davis	<i>Looking outside the cockpit: An in-depth look at airport signage</i>
	00:45	Sarai Castañeda	<i>Fonts and formats of constitutions</i>
	01:30	Boris Veytsman, T <sub>E</sub> X Users Group	<i>Using knitr and L<sup>A</sup>T<sub>E</sub>X for literate lab notes</i>
	02:15	Norbert Preining, Mercari Japan, TUG, T <sub>E</sub> X Live	<i>T<sub>E</sub>X Live 2022 status update</i>
	03:00	Vafa Khalighi, Sydney, Australia	<i>Right to left beamer documents in X<sub>Y</sub>L<sub>A</sub>T<sub>E</sub>X</i>
	11:15	Patrick Gundlach, speedata GmbH	<i>Boxes and glue: T<sub>E</sub>X algorithms reimplemented</i>
	12:00	Chetan Shirore, K.T.H.M. College, Nashik; Ajit Kumar, Inst. of Chemical Technology, Mumbai	<i>The luatruhtable package in L<sup>A</sup>T<sub>E</sub>X</i>
	12:30	Tereza Vrabcová, Masaryk Univ.	<i>A gentle introduction to Markdown for writers</i>
	13:15	Jonathan Fine	<i>The UK T<sub>E</sub>X Users Group — a personal history</i>
	14:00	samcarter	<i>Bricks and pieces</i>
	15:30	Ulrike Fischer, L <sup>A</sup> T <sub>E</sub> X Project, Bonn, Germany	<i>New in stock — a walk though recent L<sup>A</sup>T<sub>E</sub>X improvements (that you may have missed)</i>
	16:15	Joseph Wright, L <sup>A</sup> T <sub>E</sub> X Project Team	<i>Case changing: L<sup>A</sup>T<sub>E</sub>X reaches Unicode-land</i>
	18:00		<i>TUG Annual General Meeting</i>
	20:45	Nicolas Jimenez, MathPix, Inc.	<i>Bridging the gap between L<sup>A</sup>T<sub>E</sub>X/PDFs and the modern web</i>
21:30	Tia Luc	<i>Observations and analysis of Vietnamese text</i>	
22:15	Max Chernoff	<i>Comparing T<sub>E</sub>X engines and formats</i>	
23:00	Vafa Khalighi	<i>Typesetting mathematics in Persian</i>	

**Sunday  
July 24**


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01:00	Paulo Ney de Souza, Books in Bytes	<i>Interview with Boris Veytsman</i>
01:45	Ross Moore, Macquarie University	<i>Accessible tables using Tagged PDF</i>
02:30	Vafa Khalighi	<i>Bidirectional multi-columns and paragraph footnotes in T<sub>E</sub>X</i>
07:00	Apu V, Rishi T, Aravind Rajendran, STM Document Engineering Private Ltd.	<i>L<sup>A</sup>T<sub>E</sub>X profiling of author submissions</i>
07:45	Oleksandr Baranovskiy, Doctor Barbarus Services & Institute of Mathematics of the National Academy of Sciences of Ukraine	<i>L<sup>A</sup>T<sub>E</sub>X classes for doctoral theses in Ukraine: Interesting tips and painful problems</i>
08:30	Dennis Müller, Michael Kohlhase, FAU Erlangen-Nürnberg, Germany	<i>sT<sub>E</sub>X3—A L<sup>A</sup>T<sub>E</sub>X-based ecosystem for semantic/active mathematical documents</i>
09:15	Jean-Michel Hufflen	<i>Extracting information from (L<sup>A</sup>)T<sub>E</sub>X source files</i>
11:00	Mikael P. Sundqvist, Lund University	<i>Pushing math forward with luametatex and ConT<sub>E</sub>Xt</i>
11:45	Ulrike Fischer	<i>Using spot colors with L<sup>A</sup>T<sub>E</sub>X</i>
12:30	Joseph Wright, L <sup>A</sup> T <sub>E</sub> X Project Team	<i>Key-value setting handling in the kernel</i>
13:15	Marnanel Thurman	<i>Building a T<sub>E</sub>X-alike in Python</i>
15:00	Aditya Ohri, UC Berkeley; Tanya Schmah, University of Ottawa	<i>Machine translation of mathematical text</i>
15:45	Jonathan Fine	<i>Access and accessibility</i>
17:15	Paulo Ney de Souza	<i>Interview with John Lees-Miller</i>
19:00	Dag Spicer, Computer History Museum	<i>A walk through 2,000 years of computer history</i>
19:45	Christopher Park, San Jose, CA; Emily Park, UC Berkeley	<i>Musical composition typesetting</i>
20:30	Steven Matteson, Matteson Typographics	<i>Type design: Catching up to the past</i>
21:15	Boris Veytsman, T <sub>E</sub> X Users Group	<i>Conference closing</i>
≈21:15	<i>end</i>	