## Introductory

- 159 Paulo Cereda, Phelype Oleinik / The story of a silly package
   development of the sillypage package, based on the Monty Python silly walks
- 155 Éric Guichard, Jean-Michel Hufflen / Introductory IATEX workshop, en français
   overview of this TUG'22 workshop, conducted in French
- 156 Lloyd Prentice / Self-publishing, IATEX, and Markdown
  roadmap for making IATEX more usable for the vast self-publishing author population
- 108 Dag Spicer / A stroll through computer history at the CHM
   overview of exhibits and resources at the Computer History Museum, computerhistory.org

#### Intermediate

- Apu V, Rishi T, Aravind Rajendran / IATEX profiling of author submissions—completeness & usability checking
   description of a pre-submission validation tool, using scripts and IATEX3 hooks
- 207 Karl Berry / The treasure chest • new CTAN packages, April–August 2022
- 104 Carlos Evia / The future of technical documentation starts with its *recent* past • overview of DITA and family and relationship to IATEX
- 127 Island of T<sub>E</sub>X / IoT theatre presents: The Tempest
  T<sub>E</sub>X Live docker images, T<sub>E</sub>Xdoc online, Albatross, checkcites, arara past and future
- 148 LATEX Project Team / IATEX news, issue 35, June 2022
   document metadata interface, latex-lab, marks, floating point
- 109 Steven Matteson / Type design: Catching up to the past
  illustrated examples of adapting historical fonts for technological demands
- 172 Chetan Shirore, Ajit Kumar / The luatruthtable IATEX package
  using Lua to generate truth tables for general logical expressions
- 134 Marnanel Thurman / yex: a T<sub>E</sub>X-alike typesetter in Python
   implementing T<sub>E</sub>X in the Python environment, focusing on HTML output
- Boris Veytsman / Using knitr and IATEX for literate laboratory notes
  background, desiderata, and solutions for lab notes
- 162 Joseph Wright / Key-value setting handling in the IATEX kernel • generic key-value and option support with both IATEX  $2\varepsilon$  and expl3 syntax
- 164 Joseph Wright / siunitx: Launching version 3
   development support from standard LATFX tools for a major revision
- 165 Joseph Wright / Case changing: IATEX reaches Unicode-land
   progress toward uppercasing, lowercasing, titlecasing, case folding, in full generality

### **Intermediate Plus**

- Oleksandr Baranovskyi / LATEX classes for doctoral theses in Ukraine: Interesting tips and painful problems
   status, issues, and directions for vakthesis and mon2017dev
- H. Andrew Black, Hugh J. Paterson III / XLingPaper's use of T<sub>E</sub>X technologies
  use of X<sub>E</sub>IAT<sub>E</sub>X in an authoring tool for linguistic publishing
- 167 Ulrike Fischer / Using spot colors in IAT<sub>E</sub>X
   new support in the kernel, and via the colorspace package
- 120 Peter K. G. Williams / The Tectonic Project: Envisioning a 21st-century T<sub>E</sub>X experience
   overview of a Rust reimplementation of X<sub>2</sub>T<sub>E</sub>X, targetting modern documents

### Advanced

- 202 Hans Hagen, Mikael Sundqvist / Pushing math forward with ConT<sub>E</sub>Xt lmtx • generalizing atom classes and spacing; breaking multiline formulas
- 136 Jean-Michel Hufflen / Extracting information from (IA)T<sub>E</sub>X source files
   a generalized Scheme tool for external processing of IAT<sub>E</sub>X documents
- 197 Dennis Müller, Michael Kohlhase / A IATEX-based ecosystem for semantic/active mathematical documents
   structured math knowledge; RusTEX, a TEX reimplementation in Rust to support MMT

# **Reports and notices**

- $86 \quad {
  m TUG} \ 2022 \ {
  m conference} \ {
  m information} \ {
  m and} \ {
  m program}$
- 89 Jim Hefferon / TUG 2022 conference report
- 90 Robin Laakso / TUG 2022 Annual General Meeting notes
- 93 Karl Berry / David C. Walden, 1942-2022
   for more on Dave's many lifetime projects, see walden-family.com
- 96  $\,$  Paulo Ney de Souza / interview with John Lees-Miller, CTO of Overleaf
- 100 Paulo Ney de Souza / interview with Boris Veytsman, scientist,  $T_{E}X$  programmer and current TUG President
- 209 TUG 2022 abstracts (Austin, Blakesley, Castañeda, Chernoff, Cheung, Claudio, Fine, Gundlach, Hickman, Jimenez, Khalighi, Luc, Mariano, Moore, Ohri, Park C., Park E., Preining, samcarter, Schmah, Vrabcová, Wu)
- 214 From other TEX journals: La Lettre GUTenberg 45 (2022); MAPS 52 (2022); Die TEXnische Komödie 2/2022
- 215 Institutional members
- 216 TUG Elections committee / 2023 TEX Users Group election
- 217 Calendar
- 218 TUG 2022 advertisements: STM Document Engineering Pvt Ltd; Overleaf
- 219  $\ \ T_{\ensuremath{E}} X$  consulting and production services