TUG 2023 — Bonn, Germany — July 14–16, 2023

The forty-fourth annual conference of the TeX Users Group

https://tug.org/2023 ■ tug2023@tug.org

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TUG 2023 program

Thursday,
July 13
14:00 PDF Developers’ Workshop
15:00 Excursion — Guided walking tour of downtown Bonn
19:00 Reception & registration at Hotel Leoninum

Friday,
July 14
08:00 registration
08:30 Boris Veytsman, TpX Users Group
08:45 Ulrike & Gert Fischer, Carla Maggi,
Paulo Cereda, samcarter
09:15 Oliver Kopp, JabRef e.V.
09:45 Jan Šustek
10:15 Barbara Beeton, TUGboat
10:45 break & registration
11:15 Martin Ruckert, Munich University of Applied Sciences
11:45 Dennis Müller, FAU Erlangen-Nürnberg
12:15 Patrick Gundlach, speedata GmbH
12:45 lunch
14:00 Joseph Wright, samcarter
14:15 samcarter
14:30 Boris Veytsman, Chan Zuckerberg Initiative, George Mason Univ., TUG
15:00 Ben Davies, Overleaf
15:30 Didier Verna, EPITA Research Lab
16:00 break
16:30 Eberhard W. Lisse,
Omadhina Internet Services Ltd
17:00 Jakub Máca, Petr Sojka, Ondřej Sojka

Welcome
Behind the scenes of the Great TikZlings Christmas Extravaganza
JabRef as BnTLPX-based literature management software
On generating documented source code by blocks in TLPX
What every TLPX newbie should know
News from the HINT project
An HTML/CSS schema for TpX whatsits
News from boxes and glue: How do the TLPX algorithms help in developing a new typesetting engine?
Beamer news
The tcolorbox inner beamer theme
The update of the nostarch class
Bumpy road towards a good IATEX visual editor
Interactive and real-time typesetting for demonstration and experimentation
Introduction to Typst
Universal syllabic pattern generation
TUG 2023 program (continued)

Saturday, July 15
08:30 Henning Hraban Ramm
Architectural guides for Bonn — book production with ConTeXt
09:00 Thomas Schmitz, Bonn University
Producing different forms of output from XML via ConTeXt
09:30 Vít Novotný
Markdown 3: What’s new, what’s next?
10:00 Rishi T, Apu V, Hán Thế Thành, Jan Vaněk, STM Document Engineering
Primo — The new sustainable solution for publishing
10:30 break
11:00 Ross Moore, Macquarie University
Tagged PDF, derived HTML and aspects of accessibility
11:30 Ulrike Fischer, \(\LaTeX\) Project
Automated tagging of \(\LaTeX\) documents — what is possible today?
12:00 Joseph Wright, \(\LaTeX\) Project
Supporting backends in expl3
12:30 Frank Mittelbach, \(\LaTeX\) Project
The \(\LaTeX\) Companion, 3rd edition — Anecdotes and lessons learned
13:00 lunch
14:00 Jim Hefferon, St Michael’s College
Using Asymptote like MetaPost
14:30 Linus Romer
Curvature combs and harmonized paths in MetaPost
15:00 Rajeesh KV
Metafont, MetaPost and a complex-script typeface
15:30 Victor Sannier, GUTenberg Association
A \texttt{METAFONT} for rustic capitals
16:00 break
16:30 Ulrik Vieth
An updated survey of OpenType math fonts
17:15 Mikael Sundqvist, Lund University
Extending OpenType math, making choices
17:45 Tom Hejda, Overleaf
\TeX\ Live and Overleaf revisited
≈12:15 pm end/lunch

Sunday, July 16
08:30 Island of \TeX
Living in containers — on \TeX Live in a docker setting
09:00 Joseph Wright
Further adventures in Unicode-land: Refining case changing
09:30 Oliver Kopp
The \(\LaTeX\) template generator: How micro-templates reduce template maintenance effort
10:00 Island of \TeX
The Island of \TeX 2023 — sailing the smooth seas of ideas
10:30 break
11:00 Frank Mittelbach
38 years with \(\LaTeX\) — A personal picture story
12:00 Boris Veytsman
Closing