

**Zpravodaj 2017/1–4**

Editor's note: *Zpravodaj* is the journal of  $\mathcal{C}\mathcal{S}\mathcal{T}\mathcal{U}\mathcal{G}$ , the  $\text{T}\mathcal{E}\mathcal{X}$  user group oriented mainly but not entirely to the Czech and Slovak languages ([cstug.cz](http://cstug.cz)).

**Zpravodaj 2017/1–2**

PETR SOJKA, Úvodník [Introduction]; pp. 1–2

This editorial discusses  $\mathcal{C}\mathcal{S}\mathcal{T}\mathcal{U}\mathcal{G}$ 's new publishing policy and comments on this issue's articles. Go forth and participate in  $\mathcal{C}\mathcal{S}\mathcal{T}\mathcal{U}\mathcal{G}$  to make the bright future of  $\text{T}\mathcal{E}\mathcal{X}$  & Friends a reality! *You can!*

HANS HAGEN,  $\text{Con}\mathcal{T}\mathcal{E}\mathcal{X}\text{t}$ –Lua Documents; pp. 3–54

In  $\text{Con}\mathcal{T}\mathcal{E}\mathcal{X}\text{t}$ , it is now possible to prepare documents in a mixture of  $\text{T}\mathcal{E}\mathcal{X}$ , XML, MetaPost, and Lua. The article gives a short introduction into the programming language of Lua and then goes on to describe how Lua can be used for programming in  $\text{Con}\mathcal{T}\mathcal{E}\mathcal{X}\text{t}$  MkIV. 10.5300/2017-1-2/3

HANS HAGEN, Exporting XML and ePub from  $\text{Con}\mathcal{T}\mathcal{E}\mathcal{X}\text{t}$ ; pp. 55–63

The article describes the XML backend of  $\text{Con}\mathcal{T}\mathcal{E}\mathcal{X}\text{t}$ , which can be used to produce structured XML documents out of a  $\text{T}\mathcal{E}\mathcal{X}$  input. One of the many applications of the XML backend is the conversion to ePub e-book format, which the article covers in detail. 10.5300/2017-1-2/55

HANS HAGEN AND IDRIS SAMAWI HAMID, Oriental  $\text{T}\mathcal{E}\mathcal{X}$ : Optimizing paragraphs; pp. 64–97

The article describes the state of the art in paragraph optimization for Arabic as implemented in  $\text{Con}\mathcal{T}\mathcal{E}\mathcal{X}\text{t}$ . The implementation is introduced using Latin script examples. The article proceeds to describe the main features of Arabic script and known approaches towards paragraph optimization. One of the described approaches is then implemented and used to typeset a passage from the Qur'an. 10.5300/2017-1-2/64

TACO HOEKWATER, MetaPost: PNG output; pp. 98–100

[Printed in *TUGboat* **34**:2.] 10.5300/2017-1-2/98

ALEŠ KOZUBÍK, Mapy v  $\mathcal{L}\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{X}$ ových dokumentoch – predstavenie balíčka `getmap` [Maps in  $\mathcal{L}\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{X}$  documents — an introduction of the `getmap` package]; pp. 101–109

The aim of this article is to introduce the `getmap` package. This package supports inclusion into  $\mathcal{L}\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{X}$  documents the map materials obtained from the external resources such as OpenStreetMap and Google Maps, possibly even with the support of Google Street View. In the simplest case, the specification of an address is sufficient. The package loads the map using the `\write18` feature, which must be activated to use this package. The image will be downloaded by an external Lua script that can be used also from the command line. 10.5300/2017-1-2/101

VÍT NOVOTNY, Konference TUG@Bacho $\text{T}\mathcal{E}\mathcal{X}$  2017 [Conference TUG@Bacho $\text{T}\mathcal{E}\mathcal{X}$  2017]; pp. 110–116

The article is a summary of the TUG@Bacho $\text{T}\mathcal{E}\mathcal{X}$  2017 conference, which was held from April 29 to May 3 jointly by GUST and TUG at Bachotek near Brodnica, Poland. 10.5300/2017-1-2/110

**Zpravodaj 2017/3–4**

PETR SOJKA, Úvodník [Introduction]; p. 117

This editorial again discusses  $\mathcal{C}\mathcal{S}\mathcal{T}\mathcal{U}\mathcal{G}$ 's new publishing policy and comments on this issue's articles.

PETR SOJKA, VÍT NOVOTNY,  $\text{T}\mathcal{E}\mathcal{X}$  na školách? Samozřejmě ano! Příklad užití  $\text{T}\mathcal{E}\mathcal{X}$ u ma Fakultě informatiky Masarykovy univerzity [ $\text{T}\mathcal{E}\mathcal{X}$  in Schools? Just Say Yes: The use of  $\text{T}\mathcal{E}\mathcal{X}$  at the Faculty of Informatics, Masaryk University]; pp. 118–137

[Printed in *TUGboat* **38**:2.] 10.5300/2017-3-4/118

HANS HAGEN, Lua in MetaPost; pp. 138–154

In  $\text{Lua}\mathcal{T}\mathcal{E}\mathcal{X}$ , it is now possible to run snippets of Lua code from within MetaPost. The article describes the mechanism, the low-level interface available in  $\text{Lua}\mathcal{T}\mathcal{E}\mathcal{X}$ , as well as the high-level interface available in  $\text{Con}\mathcal{T}\mathcal{E}\mathcal{X}\text{t}$  through example. 10.5300/2017-3-4/138

PETER WILSON, Mělo by to fungovat VI – Odstavce [It might work. VI — Paragraphs]; pp. 155–164

This paper demonstrates possibilities of setting the  $\text{T}\mathcal{E}\mathcal{X}$  paragraph parameters for different, even less usual, paragraph justifications. [Printed in *TUGboat* **28**:2.] 10.5300/2017-3-4/155