# MlBibT<sub>E</sub>X's Version 1.3

Jean-Michel HUFFLEN
LIFC — University of Franche-Comté
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#### Sorry. . .

I can't be with you, I regret it.

Thanks to Hans Hagen & Volker Schaa, who accepted to present these slides.

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# $BibT_EX \Longrightarrow MIBibT_EX$

Compatibility with .bib files of  $BIBT_EX$ .

```
@BOOK{conan1995,
    AUTHOR = {Leonard Carpenter},
    TITLE = {Conan the Gladiator},
    PUBLISHER = {Tom Doherty Associates, Inc.},
    YEAR = 1995,
    MONTH = jan}
```

# BibT<sub>E</sub>X & MIBibT<sub>E</sub>X

 $\begin{array}{ccc} & \text{BIBT}_{E}X\\ \text{Entries} & \longrightarrow & \textit{references} \text{ suitable for } \text{ET}_{E}X: \end{array}$ 

[1] Leonard Carpentier. *Conan the Gladiator*. Tom Doherty Associates, Inc., January 1995.

choice of a bibliography style.

# $MlBibT_EX \Leftarrow Multilingual BibT_EX$

Now, many multilingual features within LATEX.

Only a few within BIBT<sub>E</sub>X.

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Explanation  $[1.1 \longrightarrow 1.3] \Longrightarrow EuroT_EX 2003$ .

#### Language Change

[...] : language-identifier

If *language-identifier* is available (e.g., loaded as an option of the babel package), OK.

Otherwise, *no operation* (but some words might be hyphenated incorrectly).

## Multilingual Switches

$$[\ldots]$$
 !  $lg$ - $idf_0$   $\ldots$   $[\ldots]$  !  $lg$ - $idf_n$ 

'!' should be understood as 'only'  $\Longrightarrow$  additional information when an identifier matches.

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$$[\ldots] * lg-idf_0 \ldots [\ldots] * lg-idf_n$$

'\*' should be viewed as a *computation*. Information that *must* be put, possibly in another language.

## Syntax for Names

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# MlBibT<sub>E</sub>X's Implementation

Written using C, using XML libraries.

.bib files  $\Longrightarrow$  DOM tree.

Bibliography styles  $\Longrightarrow$  nbst (new bst) language.

# The New Language for Bibliography Styles

Close to XSLT, but the language attribute is relevant when we choose a rule to apply. A template with language has higher priority than the same template without this attribute.

Example about person names: first name, followed by last name, except for the Hungarian language, where the reverse order is considered.

#### Example of a nbst Template

## Current State

Just

## **Current State**

Just but

#### Current State

- Just but working!
- Now in testing.
- Publicly available this summer. (Documentation for installation is missing presently.)

#### **Future**

Generating bibliographies for other word processors or formats than LATEX:

Texinfo, ConTEXt, DocBook.

Improve sorts (expressive power of <nbst:sort>).

Integrating Unicode wholly \to work in progress.

#### More Information. . .

Complete paper for TUG ← reference manual.

Journal of the Polish Group  $\iff$  how to make MIBIBT<sub>E</sub>X fit for a particular language.

'Philosophical' point of view ← EuroT<sub>E</sub>X 2003.

Directly: mail to hufflen@lifc.univ-fcomte.fr