

ATYPI PREFACE PROGRAM

DTL [FontMaster] Track

DUBLIN, WEDNESDAY 8 SEPTEMBER 2010

The focus in this *FM Track* will be on the DTL font tools and workshops will be varied with presentations. New (versions of the) DTL applications will be presented, including a sneak preview of *GPOSMaster* and *OTMaster* version 2.1. At the end of the day there will be a reception to celebrate the 20th anniversary of the Dutch Type Library.

In previous years DTL organized *FM Tracks* during the ATypI conferences in Lisbon (2006), Brighton (2007) and St. Petersburg (2008). Like in the past decades, the Dutch Type Library is sponsor of this years ATypI conference.

Program

09:45 – **Customizing OpenType fonts**
11:10 hrs. *Dr. Jürgen Willrodt, URW++, Germany*

Spelunking and editing OpenType fonts using *DTL OTMaster* (OTM). Your guide will be Dr. Juergen Willrodt, specialist on digital type and related software, who is responsible for the technical development of OTM.

For this tour it is advised to bring a laptop with *OTM Light* installed (which can be downloaded for free from: <http://www.fontmaster.nl/english/downloads.html>) and some of your own OpenType fonts.

Besides matters brought in by the attendees, stuff discussed and showed will include:

- Font naming
- Version compatibility
- Editing metrics
- Adding glyphs to existing OT fonts
- Producing and editing non-Latin fonts (Arabic, CJK, Devanagari)

11.10 hrs. • Coffee Break

11.30 – **Automating font production**
13.00 hrs. *Frank E. Blokland, DTL, The Netherlands*

The very versatile and easy to edit Ikarus-based file structure of *DTL FontMaster* (FM), in which the glyph descriptions are cleverly kept separated from metrics and naming info, is tailored for sophisticated organizing and batching font production processes. Keywords are *reproducibility* and *stability*.

The following subjects (amongst others) will be discussed:

- Glyph databases: organizing, building, merging, enhancing
- Glyph mapping: managing Character Layout files
- Font naming: batch editing of UFM files
- Metrics and kerning pairs: generation and editing
- OpenType Layout features: editing features files and automating the GSUB features generation
- Font generation: batching (using FM command files)

13.00 – • Luncheon
14.30 hrs.



Dr. Jürgen Willrodt studied physics and mathematics and got a PhD in theoretical particle physics in 1976. Jürgen joined URW in 1983 as software developer. His first major programming project was the porting of Ikarus from DEC to Sun Unix. He has been the main developer of the IKARUS font production system since 1985, developing interpolation, auto-tracing and hinting algorithms as well as special algorithms for Kanji-separation.

Since 1995 Jürgen is managing director at *URW++ Design & Development* and responsible for font production and the technical development of font tools, including IKARUS, DTL FontMaster and DTL OTMaster.



Peter Rosenfeld started, after finishing his business studies in 1980, his first position in the font production department at Dr. Hell in Kiel. It was there where he first got in touch with digital type. Peter joined URW in Hamburg in 1982 and a little later he became the manager of the URW font studio. He worked very closely with Dr. Peter Karow, the visionary pioneer of the type industry.

Roughly ten years after joining URW, Peter became Managing Director of *urw++ Design & Development* and the company has estab-

14.30 – **Global font (tools) production**

15.10 hrs.

Peter Rosenfeld, URW++, Germany

In the past decades at URW++ *Design & Development* numerous Arabic, Indic and CJK fonts have been produced. For this production proprietary specialist tools were developed at URW++. Much of this functionality has found a place in the fonts tools jointly developed by URW++ and DTL.

Your host at this introduction on the secrets of global fonts and related tools will be Peter Rosenfeld, specialist on global fonts and production-manager of the DTL font tools.

15.15 – **GPOSMaster: sneak preview**

16.00 hrs.

Dr. Jürgen Willrodt, URW++, Germany

A preview of *GPOSMaster*, the new tool for mark positioning and for generating and editing spacing and kerning for OpenType and TrueType fonts, which is under construction.

Your reviewer will be Dr. Jürgen Willrodt, who is the main brain behind the program.

Stuff discussed and showed will include:

- Autokerning
- Vertical Kerning (for Japanese)
- Kern editor
- Japanese positional features like *pwid*, *hwid*, *halt*, *palt*, etc.
- Mark to Base and Mark to Mark (Arabic)
- Above Mark and Below Mark positioning (Devanagari)

16.00 hrs.

- Coffee Break

16.20 – **Type library programming**

17.05 hrs.

Frank E. Blokland, DTL, The Netherlands

Over the past two decades the Dutch Type Library has become a highly successful foundry producing exclusive and exquisite fonts and specialized software for the font production. In this presentation some of the secrets behind the DTL font program will be revealed by its founder and owner Frank E. Blokland.

17.10 – **Reception**

18.30 hrs.

After many years of preparations, in 1990 the Dutch Type Library was officially founded as the first digital foundry in the Netherlands. DTL's twentieth anniversary will be celebrated at the ATypI PreFace program, of course!

lished itself in the graphic design industry by continually developing and marketing innovative font and software products.



Frank E. Blokland is type designer (of, amongst others, DTL Documenta and DTL Haarlemmer), Senior Lecturer 'Letters' at the Royal Academy of Arts in The Hague since 1987, Professor at the Plantin Society in Antwerp since 1995 and ATypI's country delegate for The Netherlands.

Frank founded the Dutch Type Library in 1990 and a couple of years later he initiated and supervised the development of DTL FontMaster, a set of professional font tools developed together with URW++. Currently he is doing a PhD study at Leiden University on *the harmonics, patterns and dynamics in formal typographic representations of the Latin script*.



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