

***TAGA
Honors Award 2003
to
Nils Enlund***

for his 34 years of dedicated services to computer graphic technologies starting with innovative prototypes using primitive technologies of the early 1970's; advancing to the Typlan Company that produced typesetting and editorial systems and research on computer-aided page make-up at Brown University; for his three years as Research Director with IFRA that led to large-scale research on newspaper prepress technology; and for his research from prepress paginations to production management in graphic arts and interactive digital media, TAGA honors Nils Enlund.



Nils Enlund was born in Jakobstad, Finland, in 1946. He never intended to involve himself in the graphic arts beyond avid reading of newspapers and literature. He studied philosophy and psychology at Helsinki University as well as electronics engineering at the Helsinki University of Technology. A year at Lafayette College, Easton, PA, where he received a Bachelor of Science in Electrical Engineering in 1969, awakened his interest in information technology and computer science.

Returning to Finland, Nils found himself accidentally involved in a groundbreaking research project at the Helsinki University of Technology, the Computer Graphics Project, attempting to achieve interactive page make-up of newspaper pages using the primitive computer technology of the early 1970's. In addition to delaying his academic career for several years, the project sparked his lifelong interest in the application of computers to graphic arts and media production.

The Computer Graphics Project produced, in addition to a number of innovative prototypes, a spin-off company, Typlan, that produced typesetting and editorial systems mainly for the Scandinavian market. A cofounder of Typlan, Nils served as systems designer and development manager between 1972 and 1980. His research into computer-aided page make-up continued in the BUNPAPS project at Brown University, Providence, RI, in 1973-74.

At the Helsinki University of Technology, Nils Enlund obtained his Master of Science degree in Electronics in 1974 and the degree of Licentiate of Technology in Information Processing Science in 1977 with a thesis on electronic newspaper archives. He also served in different teaching and research positions at the Helsinki University of Technology.

In 1980, Nils became Research Director of IFRA, the international newspaper technology research association in Darmstadt, Germany. At IFRA, he was mainly involved in research concerning newsprint, rotary press printing, prepress technologies, and emerging electronic news media. In late 1983, he returned to Finland to manage a large scale research project, financed jointly by the eight leading Finnish newspaper publishers, to investigate and develop future newspaper prepress technology. In 1987, he became president of a consulting company spun off from this research project.

In 1985, Nils Enlund started on a return path to Academia, taking up a position as professor of text and image processing at the Royal Institute of Technology (KTH) in Stockholm, Sweden. There, he became responsible for building up a new undergraduate and graduate education in graphic arts technology. In 1991, he received the academic degree of Docent at KTH. In 1994, he was appointed professor (chair) of graphic arts technology at KTH where he is currently responsible for research, postgraduate education and undergraduate education in media technology. Since 2001, he is also academically responsible for the M.Sc. program in electronic publishing and multimedia technology at Gjøevik College in Norway. He is also a visiting professor at the University of Zagreb, Croatia. Nils has so far supervised 12 doctoral, 11 licentiate, and more than 300 master theses in media technology and graphic arts, trying to satisfy the growing need for scientists and engineers in Scandinavian media companies.

Nils Enlund's own research interests have evolved from prepress technology and interactive pagination to production management in graphic arts and interactive digital media. He is also one of the originators of the IFRAtrack standard for production management. He has authored or co-authored almost 200 scientific and technical publications.

Nils Enlund is fluent in Swedish, English, Finnish, and also speaks some German. He has four academic degrees: 1969 B.S. in Electronic Engineering (cum laude) from Lafayette College, Easton, PA. USA; 1974 M.S. in Electronics from Helsinki University of Technology; 1977 Licentiate of Technology from Helsinki University of Technology; and a degree of Docent from the Royal Institute of Technology, Stockholm, Sweden. He has had 15 *main employments* from 1969 to 1994 and 31 *Positions of Trust* and secondary employments from 1981 to 2003. He has had 13 scientific Advisory, Editorial and Review assignments. Also he has four Honorary Memberships and Awards from 1967 to 2001, and 17 Expert assignments from 1998 to 2003. In addition, he has been engaged in 23 postgraduate academic thesis supervisions.

Nils Enlund's first TAGA attendance was in 1974. Nils is a board member of IARIGAI (International Association of Research Organisations for the Printing, Information and Communication Industries) as well as of several research organizations and commercial companies. For his efforts in prepress technology, interactive pagination and digital media, TAGA distinguishes Nils Enlund with the 2003 TAGA Honors Award.