
The Donald E. Knuth Scholarship: 1993 Scholar and 1994 Announcement

The Donald E. Knuth Scholarship was unfortunately not awarded this year, due to lack of eligible candidates. The amount of money allocated for the award was transferred to the bursary fund of this year's TUG Annual Meeting, which enabled several T_EX users from currency-poor countries to attend the Meeting.

At the 1993 TUG Annual Meeting the Board of Directors of TUG has decided that, starting with the 1994 Scholarship, the Knuth Scholarship will be open to all T_EX users, not just to TUG members. Otherwise the same rules for the Scholarship competition will apply, and the current committee will serve again for the 1994 Scholarship.

Announcement of the 1994 competition

One Knuth Scholarship will be available for award next year. The competition will be open to all T_EX users holding support positions that are secretarial, clerical or editorial in nature. It is therefore not intended for those with a substantial training in technical, scientific or mathematical subjects and, in particular, it is not open to anyone holding, or studying for, a degree with a major or concentration in these areas.

The award will consist of an expense-paid trip to the 1994 TUG Annual Meeting at Santa Barbara, USA, and to the Scholar's choice from the short courses offered in conjunction with that meeting; and TUG membership for 1993, if the Scholar is not a TUG member, or for 1994, if the Scholar is already a TUG member. A cap of \$2000 has been set for the award; however, this does not include the meeting or course registration fee, which will be waived.

To enter the competition, applicants should submit to the Scholarship Committee, by the deadline specified below, the input file and final T_EX output of a project that displays originality, knowledge of T_EX, and good T_EXnique.

The project as submitted should be compact in size. If it involves a large document or a large number of documents then only a representative part should be submitted, together with a description of the whole project. For example, from a book just one or two chapters would be appropriate.

The project may make use of a macro package, either a public one such as L^AT_EX or one that has been developed locally; such a macro package should be identified clearly. Such features as sophisticated use of math mode, of macros that require more than "filling in the blanks", or creation and

use of new macros will be taken as illustrations of the applicant's knowledge.

All macros created by the candidate should be well documented with clear descriptions of how they should be used and an indication of how they work internally.

All associated style files, macro-package files, etc., should be supplied, or a clear indication given of any widely available ones used (including version numbers, dates, etc.); clear information should be provided concerning the version of T_EX used and about any other software (e.g. particular printer drivers) required. Any nonstandard fonts should be identified and provided in the form of .t_fm and .p_k files suitable for use on a 300dpi laser printer.

While the quality of the typographic design will not be an important criterion of the judges, candidates are advised to ensure that their printed output adheres to sound typographic standards; the reasons for any unusual typographic features should be clearly explained.

All files and documents comprising the project must be submitted on paper; the input files should be provided in electronic form as well. Suitable electronic media are IBM PC-compatible or Macintosh diskettes, or a file sent by electronic mail.

A brochure with additional information is available from the TUG office. To obtain a copy, or to request instructions on e-mail submission, write to the address at the end of this announcement, or send a message by e-mail to TUG@Math.AMS.org with the subject "Knuth Scholarship request".

Along with the project, each applicant should submit a letter stating the following:

1. affirmation that he/she will be available to attend the 1994 TUG Annual Meeting;
2. affirmation of willingness to participate on the committee to select the next Scholar.

Each applicant should also submit a *curriculum vitae* summarizing relevant personal information, including:

1. statement of job title, with a brief description of duties and responsibilities;
2. description of general post-secondary school education, T_EX education, identifying courses attended, manuals studied, personal instruction from experienced T_EX users, etc.;
3. description of T_EX resources and support used by the candidate in the preparation of the project.

Neither the project nor the *curriculum vitae* should contain the applicant's name or identify the applicant. These materials will be reviewed by the committee without knowledge of applicants' identities.

If, despite these precautions, a candidate is identifiable to any judge, then that judge will be required to make this fact known to the others and to the TUG board members responsible for the conduct of the judging.

The covering letter, *curriculum vitae*, and all macro documentation that is part of the project input should be in English. (English is not required for the output of the project.) However, if English is not the applicant's native language, that will not influence the decision of the committee.

Selection of the Scholarship recipient will be based on the project submitted.

Schedule

The following schedule will apply (all dates are in 1994):

March 7	Deadline for receipt of submissions
March 21–May 16	Judging period
May 23	Notification of winner
July or August (to be announced)	1994 Annual Meeting, Santa Barbara, USA

The 1994 Scholarship Committee consists of

- Chris Rowley, Open University, UK (Chair);
- David Salomon, California State University, Northridge, USA;
- Jenny Smith, John Wiley and Sons, Ltd. Chichester, UK.

Where to write

All applications should be submitted to the Committee in care of the TUG office:

T_EX Users Group
 Attn: Knuth Scholarship Competition
 P. O. Box 869
 Santa Barbara, CA 93102 USA
 e-mail: TUG@Math.AMS.org

Nico Poppelier
 Liaison to the 1993 Committee

The A-in-L^AT_EX Contest: Deadline Extended

The A-in-L^AT_EX Contest deadline has been **extended to December 31, 1993**. We felt that the official contest notice did not reach the L^AT_EX users with enough time to work on contest solutions. Take a few minutes, days, or weeks and develop your entry; submit it for judging! You may just have the winning entry! And if you haven't heard about it . . .

Currently there are several macros that let you set the L^AT_EX logo. Some print the 'A' as a small-cap 'a' from a caps-and-small-caps font, while others use the `\scriptsize` capital 'A' of the current math family. Some work fine only with 10pt roman and larger; some work fine with several font faces; and some are robust, while others are fragile.

All current TUG members are invited to participate in "The A-in-L^AT_EX Contest." Participants may enter any of the following contest categories:

- **Basic Solution:** The macro(s) should be simple, easy-to-understand, not necessarily robust, although robustness is a favorable feature;
- **Elegant and Sophisticated Solution:** The macro(s) should exhibit good coding manners, and guarantee complete robustness and reliability;
- **Guru Solution:** The macro(s) can resort to the weirdest and most arcane internal T_EX commands and need not be understandable except by real gurus.

All solutions should be plain-T_EX compatible; it must be specified if the New Font Selection Scheme is required. Additional requirements are that the solution should also work with any other form of (L^A)T_EX that makes use of the extended 256-glyph fonts.

The contest entries must be submitted electronically to the contest judges shown below:

North America: Jackie Damrau
 damrau@sscux1.ssc.gov
Elsewhere: Claudio Beccari
 beccari@polito.it

Submissions should be in the form of a complete L^AT_EX source file with the definition for the new logo located in the preamble and accompanied by detailed comments.

The contest winners will be announced and prizes awarded during the 1994 T_EX Users Group Annual Meeting.

Judges for the contest are: Claudio Beccari, Jackie Damrau, Michael Downes, and Peter Flynn.