

The 17th Annual T_EX Users Group Meeting

ΠΟΛΥΤ_EX

July 28 – August 2, 1996
TUG, CyrTUG, JINR

Time has arrived when T_EX, the Polyglot, who already for many years happily “spoke” a lot of different languages written in the Latin alphabet, starts extending its knowledge also in the field of other alphabets. During the Summer of 1996 a visit is planned to Russia where T_EX will have its first practical session in Cyrillic.

Russia is that large country, with its enormous planes, inhabited by those enigmatic Russians, who started the century with a Revolution, and ended it with “Perestroyka”. The country who founded a brilliant mathematical school, colonized the Cosmos, conquered the world with its literature, music, and ballet.

So what awaits the T_EX user who decided to attend TUG’96?

At Moscow’s international Airport Sheremetyevo-2 the participants to the conference will be met by a member of the organizing committee and be taken by bus to Dubna, the town where from July 28th to August 2nd the 17th TUG conference will take place (see below for more about Dubna). If, for some reason or another, you see cold, the taiga, and white bears appearing, then we can reassure you, Dubna is in the European part of Russia, and if you want to see the ice on the nordic Oceans, you will have to travel further than you would to reach the subtropics of the Black Sea shore. Indeed, you will soon find that the pine forest in which the comfortable town of Dubna is situated will remind you of a park. AT the end of July, the weather is mostly warm and sunny, with an average temperature of +28C°. The guests will be housed in a comfortable hotel on the banks of the Volga river in single or double rooms (hot water, shower, telephone, television). The Russian “cuisine” is characterized by its abundance, so one can forget about slimming.

The social-cultural program includes a picnic on the picturesque banks of the Volga, where we will be taken by boat, a bus excursion to Sergiev Posad (the center of the Russian Orthodox Church, where Andrey Slepkhin works—see his article on page....), and, the last day a visit to Moscow, where, at the end of the day, the participants can be dropped of at the airport to fly home, or at one of the railway stations, if they want to prolong their visit.

The conference’s scientific program will be announced as soon as we receive from you, dear readers, proposals for presentations, courses that you would like to teach or attend,

poster sessions, or any problem or subject that interests you. Please send you suggestions to the conference electronic address TUG96@pds.jinr.ru.

Write to us—all your proposals will enrich the theme our theme:

ΠΟΛΥΤ_EX= { Polytechnic
 Polymath
 Polyglot

Practical Information

Conference cost

The Conference Committee foresees a cost in the range 550–600 USD. This sum includes the complete cost of the conference, namely the registration fee, lodging (6 nights with six breakfasts, lunches, and dinners), coffee/tea breaks, social events, and transport from Sheremetevo Aeroport to Dubna. The payment should be made in the following way: a *non-refundable* sum of \$100 per person should be transferred to the following Moscow bank account *before June 1st*:

Name of Bank	Credit-Moscow Russia, Moscow, 113054 6-TH Monetchikovsky Per., 8
Swift Code:	CRMORUMM
A/C N:	00107091799

Upon receipt of that sum an official invitation, necessary for obtaining a visa will be faxed to the participant—so be sure to include your FAX number. The remainder of the registration fee (between \$450 and \$500) will be payable *in cash* upon arrival at the Conference site in Dubna (no credit cards or cheques can be used in Dubna). For participants of economically weaker countries or for students we hope to arrange partial support via sponsors.

Visas

Most of the visitors from outside Russia will need a visa to attend the Conference. Therefore, for arranging a visa into Russia, participants should inform the Conference Secretariat (Mrs. N. Dokalenko, E-mail nataly@ypr.jinr.dubna.su; Fax 7 095 975 2381

or 7 09621 65 891) of their and (possibly) the accompanying person(s)'s full name, date of birth, citizenship, passport number, arrival and departure dates. The Secretariat will forward by fax the visa support message to the participants with which they should apply for visas to the nearest Russian Embassy or Consulate. Please note that you should apply for a visa valid for Dubna, Moscow, and Sergiev Posad¹.

Transportation

The Organizing Committee will arrange direct transportation by bus from Sheremetyevo-2 airport to Dubna (130 km north of Moscow). Not later than four working days before a participant wishes to be met at the airport should the Secretariat be informed of the flight number, precise date and time of arrival (Moscow time). It is our intention to have each participant met by a member of the Organizing Committee, who will accompany the Conference guests to Dubna.

Organizing Committee

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Welcome to Dubna!

Dubna was founded in 1956 when the Convention establishing the Joint Institute for Nuclear Research was signed. The town is situated on the picturesque banks of the Volga

river and the Moscow sea 120 km to the north of Moscow. One can reach Dubna from Moscow for 2 hours going by car, by bus or by express train. It will take you 1.5 hours to go to Dubna from the Sheremetyevo-2 international airport. Water ways connect Dubna not only to the Russian Volga cities, but also to the waters of the Black, the Caspian, the Baltic and the White seas.

There is no harmful environmental impact of the plants, this together with the large tracks of forest in the environs of Dubna, vast water area with small islands is quite favorable for the sphere of tourism and rest. The Volga embankment is one of the prettiest parts of the town. At springtime the streets of Dubna are full of lilac odour, the apple-trees are pink-white; in summer lime-trees, maples, birch-trees and poplars make the town seem totally green; in autumn the town is all golden excepting the ever-green old pine-trees. The town's modern look harmonizes with the quietness of the surrounding forest. The town was built in the midst of a forest. There are separate patches of trees in the town itself, and the town park is just a part of the forest. It takes just a few minutes to get to the forest from the shopping centre on foot. A few minute's walk and you are outside the city limits!

Small as it is, Dubna is a real metropolis. It is a scientific metropolis. It is a *big little city*, as a visiting american scientist called it many years ago. Since the foundation of the Joint Institute for Nuclear Research (JINR) the name of Dubna has constantly been in the pages of the world's newspapers and journals. Dubna is one of the world centres for fundamental research in nuclear physics. The Joint Institute plays an important role as a coordinator of the investigations of the scientists from 18 JINR member-state institutes. The wide international scientific and technical cooperation is one of the fundamental concepts of the JINR.

Dubna is indeed a town of international friendship. Foreign speech can be heard everywhere. But the words, no matter in which language they are pronounced are clear to everybody: friendly cooperation and fraternity unite all the physicists and mathematicians living and working in Dubna, into an international scientific community.

On October 3, 1994 Dubna opened its doors to the first university, "International University of Dubna: Nature, Society and Man." The university is composed of five "cathedra" of chairs, including socio-economic sciences, ecology and earth science, computer education, linguistics, and health and physical education. Two more cathedras - law and government and technology - are also being contemplated.

The town has a great experience in holding international conferences, exchange of delegations between countries in the sphere of science, education and culture. Dubna and La Crosse (Wisconsin, USA) are sister cities. Dubna is famous for its hospitality. Famous scientists, public figures and statemen from different countries visit Dubna. They

¹Those planning to visit other cities in Russia should obtain themselves the relevant documents and join them to the visa application, so that the needed names of the places to be visited can be entered on the visa form.

are always impressed by the gracious welcome they receive in Dubna and discontinual generosity which Dubna residents demonstrate.

A few words on Moscow

Moscow, the capital of Russia, has a population of some nine million people. It is a city rich in cultural, architectural and historical monuments, and, at the same time, a rapidly developing modern urban community having brand-new blocks of flats, long, straight and broad avenues, parks, gardens, stadiums, schools, cinemas, department stores, recreation centres, bridges and highways. Trough forward-looking, it cherishes the memory of its past, and its old sections lend it a special charm.

Preliminary Program

– Saturday p.m. –

Arrival and registration
Dinner

– Sunday a.m. –

Late Registrations
Opening Ceremony

– Sunday p.m. –

Fonts

KAREL PÍŠKA “Cyrillic Alphabets”

JÖRG KNAPPEN “DC and TC Fonts—A Status Report”

REI FUKUI (Presented by KNAPPEN) “TIPA: A New IPA Font for L^AT_EX”

OLGA G. LAPKO “Full Cyrillic: How Many Languages?”

A.S. BERDNIKOV and O.A. GRINEVA “Computer Modern Typefaces as the Multiple Master Fonts”

A.S. BERDNIKOV and S.B. TURTIA “VFCOMB 1.3—A Program to Simplify Virtual Font Management”

– Monday a.m. –

Encodings and Multilingual Support I

YANNIS HARALAMBOUS and JOHN PLAICE “Omega and Cyrillic Alphabet Languages: a Synthesis of Available Resources”

RICHARD J. KINCH “Extending T_EX for Unicode”

V.A. KONYSHEV, L.N. ZNAMENSKAYA, and S.V. ZNAMENSKII “Various Russian Encoding Problems and a New Cyrillic Font Set”

PETER A. OVCHENKOV “Cyrillic T_EX Files: Interplatform Portability”

ALEXANDER I. ROZHENKO “On Cyrillic T_EX and Multilingual Support”

– Monday p.m. –

T_EX Systems I

JOHN PLAICE and YANNIS HARALAMBOUS “Latest Developments in Omega”

DAG LANGMYHR “StarT_EX”

GABRIEL VALIENTE FERUGLIO “Do Journals Honour L^AT_EX Submissions?”

S.V. ZNAMENSKII and D.E. LEINARTAS “A New Approach to T_EX-related Programs with a User-friendly Interface”

17:00–18:30 TUG Business Meeting

– Tuesday a.m. –

T_EX Systems II

IRINA MAKHOVAYA “T_EX in Russia: ab ovo”

JOSEPH V. ROMANOVSKY and FEDOR L. YELTSOV “Strategies of L^AT_EX Insertions”

IVAN G. VSESVETSKY “The Straight Gate to T_EX”

LAURENT SIEBENMANN “Electronic Posting and Archiving of T_EX-composed Scientific Documents”

STRELKOV S.A. AND G.R. EPSHTEIN “Making Indexes for VINITI’s ‘Mathematic’ Abstracts Journal”

M. I. GRINCHUK “How to Teach T_EX to Repeat Signs when Breaking Formulae”

– Tuesday p.m. –

Buses depart to Sergiev Posad (packed lunch)

– Wednesday a.m. –

Graphics

KEES VAN DER LAAN “Turtle Graphics and T_EX—a Child Can Do It”

KEES VAN DER LAAN “Graphics and T_EX—a Reappraisal of METAFONT/MetaPost”

A.V. ASTRELIN “Graphic Algorithms: a Common-use Library”

A.S. BERDNIKOV, O.A. GRINEVA, and S.B. TURTIA “Some Useful Macros to Extend L^AT_EX’s picture Environment”

– Wednesday p.m. –

Workshop on Electronic Documents

MICHEL GOOSSENS “L^AT_EX to/from HTML—an Update”

SEBASTIAN RAHTZ “L^AT_EX, Hypertext and Acrobat”

MICHEL GOOSSENS and SEBASTIAN RAHTZ “Overview of the Latest Developments in Electronic Publishing: HTML/SGML, DSSSL, Style Sheets, Amber, Java, ...”

JOACHIM SCHROD “The TDS File System—A Short Introduction”

– Thursday a.m. –

Encodings and Multilingual Support II

M.M. VINOGRADOV “A User-friendly Multi-function T_EX-interface Based on MultiEdit”

YU. E. HOHLOV, S. V. KLIMENKO, E. V. PANKRATIEV, and S. V. ZNAMENSKII “The New ‘Russian T_EX’ Project”

OLGA LAPKO and IRINA MAKHOVAYA “Questions of Babel and Cyrillic Compatibility”

A. SLEPUHIN “Methods of Multilingual Text Processing”

YANNIS HARALAMBOUS “Extending Al-Amal to Unicode”

12:30 Formal Closing Ceremony of TUG ’96

13:00 We will adjourn for an excursion on the Volga, with a farewell party

– Friday –

All Day Excursion to Moscow (packed lunch)

At the end of the day those not returning to Dubna to participate in courses can be left in the centre of Moscow or at the Airport.

– Saturday/Sunday –

To Be Announced

Courses or workshops for those interested.