

shown that our new proposed method is indeed a strictly optimal one. Some other interesting properties about our method have also been discussed and proved. The disc-to-records transformation property enables us to determine all records stored on certain disc once the disc label is known. The uniform distribution property tells us that all records are uniformly distributed among discs. The fast nearest-neighbour searching property makes our method suitable for parallel accessing of nearest neighbours.

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Announcement

12–17 JULY 1992

Conference on Logic Programming and Automated Reasoning, Russia

LPAR '92 is the successor of the first and second Russian conferences on logic programming held in Irkutsk in 1990 and in St Petersburg in 1991. Russia has good traditions in mathematical logic and automated reasoning. There is also a rapidly growing logic programming community. The country is now open to foreigners. The aim of LPAR '92 is to bring together researchers who hardly had the opportunity to meet in the past. LPAR '92 will take place immediately before 'Logic at Tver' so as to facilitate joint attendance.

Topics will include:

- Applications
- LPAR in artificial intelligence
- Commonsense reasoning
- Constraints
- Deductive databases

- Executable specifications
- Implementation techniques
- Inference systems for LPAR
- Languages for LP and its extensions
- Meta-programming
- Parallelism and concurrency
- Program synthesis and verification
- Programming in constructive logic
- Rewriting
- Theorem proving
- Theory and foundations
- Unification theory

The previous conference (second Russian conference on logic programming), which was international in spite of the name, was held on the ship *Michail Lomonosov*. The use of this ship proved very successful: it has most of the facilities of an international-class hotel, and it provided many opportunity for attendees to meet each other. LPAR '92 will be held on the same ship, during the famous 'white nights' of this region of Russia. The ship will start from St Petersburg and travel by the River Neva to Lake Ladoga and Lake Onega, reaching the

city of Petrozavodsk, the island of Kizhi (Lake Onega) and the town of Valaam (a small town with a very old monastery on an island in Lake Ladoga) before returning to St Petersburg. A one-day picnic in Valaam and several excursions are planned. Pre- or post-conference excursions in St Petersburg will also be possible.

Invited speakers

Pascal van Hentenryck (Brown University, U.S.A.)
Steffen Hoelldobler (University of Darmstadt, Germany)
Vladimir Lifschitz (University of Texas, U.S.A.)
Ewing Lusk (Argonne National Laboratory, U.S.A.)
Gregory Mints (Institute of Cybernetics, Estonia – Stanford University, U.S.A.)

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