List of scientific conferences, schools and workshops

The following is the list of scientific conferences, schools and workshops on Artificial Intelligence organized by the Laboratory of Artificial Intelligence Systems of the Institute of Mathematics ASM in the period from 1977 till now and brief information about them.

1. 1st Moldavian school "Logico-combinatorial methods in pattern recognition".
   Moldova, Vadu lui Voda, June, 1977.
   38 participants from Moldova, Russia, Ukraine, Belorussia, Latvia.
   Scientific chair: Prof. A. Zakrevsky (Institute of Technical Cybernetics, AS Belorussia, Minsk).
   Lectors: Prof. A. Zakrevsky, Dr. Yu. Pechersky (Institute of Mathematics, AS Moldova, Kishinev), Prof. N. Zagoruiko (Institute of Mathematics, AS USSR, Novosibirsk).
   Lections:
   - A. Zakrevsky. Searching problems in pattern recognition.
   - Yu. Pechersky. Graph theory methods in classification problems.
   - N. Zagoruiko. Logical methods of pattern recognition.
2. The seminar "Control in the presence of vague categories".
   Moldova, Vadu lui Voda, September, 1978.
   74 participants from Moldova, Russia, Latvia, Georgia, Ukraine, Belorussia.
   Scientific chair: Prof. D. Pospelov (Computing Center, AS

USSR, Moscow).
32 communications: Russia (22 communications), Latvia (3), Georgia (3), Ukraine (2), Belorussia (1), Moldova (1).
Selected papers:

- D. Pospelov (Moscow). Fuzzy scales in language and logic.
- S. Orlovsky (Moscow). Decision making in fuzzy initial information.
- A. Borisov, V. Popov (Riga). The structure of decision maker preferences in fuzzy class of alternatives.

3. 2nd Moldavian school "Logico-combinatorial methods in pattern recognition".
   Moldova, Vadu lui Voda, May, 1979.
   42 participants from Moldova, Russia, Ukraine, Belorussia, Estonia.
   Scientific chair: Prof. D. Pospelov (Computing Center, AS USSR, Moscow).
   Lectors: Prof. D. Pospelov, Prof. P. Parkhomenko (Institute of Control Problems, AS USSR, Moscow), Dr. Yu. Pechersky (Institute of Mathematics, AS Moldova, Kishinev).
   Lections:

   - D. Pospelov. Logico-combinatorial methods in recognition problems.
   - P. Parkhomenko. Logical methods in technical diagnosis.
   - Yu. Pechersky. Formalization of recognizable object descriptions.

4. The conference "Dialog in man-machine systems".
   Moldova, Vadu lui Voda, May, 1979.
   74 participants from Russia, Moldova, Ukraine, Belorussia, Azerbaijan, Georgia, Estonia.
   Organization commitee chair: Dr. Yu. Pechersky (Institute of Mathematics, AS Moldova, Kishinev).

38 communications: Russia (15 communications), Moldova (10), Ukraine (6), Belorussia (2), Georgia (2), Azerbaijan (2), Estonia (1).
Selected papers:

- V. Khoroshevsky (Moscow). Review of toolkits of Artificial Intelligence.
- V. Lozovsky (Odessa). Man-machine interface: problems and solutions.
- D. Pospelov (Moscow). Elements of transactional analysis.

Round table: Problems of interunderstanding in man-machine systems.

5. 3nd Moldavian school "Logico-combinatorial methods in pattern recognition".
   Moldova, Kishinev, May, 1980.
   43 participants from Moldova, Russia, Ukraine, Georgia, Estonia.
   Scientific chair: Prof. D. Pospelov (Computing Center, AS USSR, Moscow).
   Lectors: Prof. D. Pospelov, Prof. V. Gladun (Institute of Cybernetics, AS Ukraine, Kiev), Dr. Yu. Pechersky (Institute of Mathematics, AS Moldova, Kishinev).
   Lections:

   - D. Pospelov. Logico-combinatorial methods in pattern recognition.
   - V. Gladun. Pattern recognition methods in problems of planning.
   - Yu. Pechersky. Minimization of recognizable object descriptions.

6. The conference "Dialog in man-machine systems".
   Moldova, Vadu lui Voda, May, 1980.
   120 participants from Moldova, Russia, Ukraine, Belorussia, Georgia, Uzbekistan, Armenia, Estonia, Lithuania.

Organization commitee chair: Dr. Yu. Pechersky (Institute of Mathematics, AS Moldova, Kishinev).
56 communications: Russia (23 communications), Moldova (11), Ukraine (8), Belorussia (4), Georgia (3), Estonia (3), Armenia (2), Uzbekistan (1), Lithuania (1).
Selected papers:

- N. Toropov (Minsk). Dialog programming in the language LAPAS-M.
- B. Berezin, E. Popov (Moscow). The principles of building industrial systems carrying dialog in natural language.
- S. Chachko (Kiev). Psychologic features of dialog in CAD systems.
- M. Vekselman, V. Levchenko, Yu. Pechersky, F. Frolov (Kishinev). Experience of development of the interactive system DIANA.

7. The conference "Problem oriented interactive complexes".
Moldova, Kishinev, April, 1983.
122 participants from Moldova, Russia, Ukraine, Belorussia, Estonia.
Organization commitee chair: Prof. D. Pospelov (Computing Center, AS USSR, Moscow).
63 communications: Russia (36 communications), Ukraine (12), Moldova (9), Belorussia (3), Estonia (3).
Selected papers:

- L. Mikulich (Moscow). Pragmatic approach to the creation of problem oriented interactive systems.
- C. Litvak (Tartu). The system of knowledge representation based on the system PRIZ.
- O. Tikhomirov (Moscow). Psychologic researches in the field of man-machine dialog.
- B. Kirsanov, E. Popov (Moscow). Interactive expert systems.

Round table: Intercourse levels in man-machine systems.
Publication: Proc. conf. "Problem oriented interactive complexes", Kishinev, 1983, 126p (in Russian).

8. The conference "Interactive systems and their application".
Moldova, Kishinev, December, 1984.
110 participants from Moldova, Russia, Ukraine, Belorussia, Estonia.
Organization commitee chair: Prof. D. Pospelov (Computing Center, AS USSR, Moscow).
58 communications: Moldova (24 communications), Russia (21), Ukraine (9), Belorussia (2), Estonia (2).
Selected papers:

   - E. Popov (Moscow). Dialog organization in expert systems.
   - N. Zagoruiko (Novosibirsk). Pattern recognition and expert systems.
   - V. Petrenko (Moscow). To the problem of text meaning understanding.
   - V. Smirnov, S. Solowiev, G. Solowieva, F. Frolov (Kishinev). Project of the expert system FIAKR-T.

   Publication: Proc. conf. "Interactive systems and their application", Kishinev, 1984, 165p (in Russian).

9. The seminar "Logico-combinatorial methods in artificial intelligence and pattern recognition".
Moldova, Vadu lui Voda, June, 1985.
42 participants from Moldova, Russia, Ukraine, Belorussia, Georgia, Estonia.
Organization commitee chair: Dr. Yu. Pechersky (Institute of Mathematics, AS Moldova, Kishinev).
41 communications: Moldova (13 communications), Russia (12), Ukraine (12), Belorussia (2), Georgia (1), Estonia (1).
Selected papers:

- S. Solowiev, G. Solowieva (Kishinev). Knowledge representation in the systems of alternatives.
- S. Litvak (Tartu). On the basic system of intercourse.
- N. Diduk, V. Koval (Kiev). On the recognition of topological models of multidimensional processes.

Publication: Proc. seminar "Logico-combinatorial methods in artificial intelligence and pattern recognition", Kishinev, 1985, 80p (in Russian).

10. The seminar "Automatization and robotization of production by applying microprocessor means".
Moldova, Kishinev, July, 1986.
110 participants from Moldova, Russia, Estonia, Ukraine, Belorussia.
Organization commitee chair: Dr. Yu. Pechersky (Institute of Mathematics, AS Moldova, Kishinev).
25 communications: Moldova (12 communications), Russia (6), Estonia (5), Ukraine (1), Belorussia (1).
Selected papers:

    - G. Ginkul, S. Solowiev (Kishinev). Game approach to the forming knowledge base.
    - N. Galagan (Kiev). Intellectual processors for controlling flexible manufacturing systems.
    - T. Roosmaa (Tartu). Development of the expert system based on the system TARLUS.

    Publication: Proc. seminar "Automatization and robotization of production by applying microprocessor means", Kishinev, 1986, 67p (in Russian).

11. The conference "Technology for the development of expert systems".
Moldova, Vadu lui Voda, September, 1987.

160 participants from Moldova, Russia, Ukraine, Belorussia, Estonia, Azerbaijan.
Organization commitee chair: Dr. Yu. Pechersky (Institute of Mathematics, AS Moldova, Kishinev). Co-chair: Prof. D. Pospelov (Computing Center, AS USSR, Moscow).
55 communications: Russia (34 communications), Moldova (12), Ukraine (4), Azerbaijan (2), Estonia (2), Belorussia (1).
Selected papers:

- D. Pospelov (Moscow). Artificial intelligence paradigms.
- V. Vagin, D. Pospelov (Moscow). Inference methods in expert systems.
- G. Ginkul (Kishinev). Expert games for forming knowledge bases.
- V. Khoroshevsky (Moscow), Programming tools for expert systems.
- V. Gladun (Kiev), Organization of natural language dialog in decision planning systems.

Round table: New instrumental ideas in projecting expert systems.
Publication: Proc. Conf. "Technology for the development of expert systems", Kishinev, 1987, 162p (in Russian).

12. The conference "Problems of expert systems applications".
Moldova, Vadu lui Voda, October, 1989.
94 participants from Moldova, Russia, Ukraine, Estonia.
Organization commitee co-chairs: Dr. Yu. Pechersky (Institute of Mathematics, AS Moldova, Kishinev), Prof. D. Pospelov (Computing Center, AS USSR, Moscow).
50 communications: Russia (34 communications), Moldova (12), Ukraine (3), Estonia (1).
Selected papers:

- L. Mikulich (Moscow). Technology of projecting industrial expert systems.

- O. Molokova (Vladivostok). What and how to teach knowledge engineers to?
- V. Arnaut, V. Levchenko, Yu. Pechersky (Kishinev). Intellectual system of expert estimation.
- T. Gavrilova (Leningrad), Training expert systems development group.

Round table: Psychological problems in using expert systems.
Publication: Proc. Conf. "Problems of expert systems applications", Kishinev, 1989, 160p (in Russian).

13. The workshop "Psychological and algorithmic aspects of the problem of expert knowledge acquisition".
Moldova, Kishinev — Vadu lui Voda, June, 1990.
80 participants from Moldova, Russia, Ukraine, Belorussia, Armenia, Georgia, Estonia.
Organization commitee co-chairs: Dr. Yu. Pechersky (Institute of Mathematics, AS Moldova, Kishinev), Prof. D. Pospelov (Computing Center, AS USSR, Moscow), Prof. O.K. Tikhomirov (Moscow University, Russia).
50 communications: Russia (34 communications), Moldova (12), Ukraine (3), Estonia (1).
Issues discussed:

- expert knowledge acquisition methodology
- knowledge engineer psychological training
- problems of automatization of the expert knowledge acquisition process
- practical systems of knowledge acquisition

Discussion: How to acquire expert knowledge.
Publication: Proc. Conf. "Problems of expert systems applications

Dr. Yu.Pechersky