Scientific Program of Symposium

(List of Minisymposia)

1. Security of Computer Systems.
2. Geometrical Nonlinear Optics.
3. Engineering-Technological Mathematics.
4. Information technologies and problems in communications.
5. Quantum Calculation.
6. Mathematical Models for Biological and Ecological Systems.
7. Mathematical Models for Liquid Crystals.
8. Mathematical Methods in Pedagogical Research.
9. Mathematical Models in Theory of Shells.
10. Mathematical Modeling for Dissipation of Admixtures in Turbulent Atmosphere.
11. Mathematical Simulation of Material Properties and Constructions.
12. Mathematical Education.
13. Medical Applications.
14. Finite Elements and Multigrid Methods.
15. Fluid and Gas Mechanics.
16. Mechanics of Processes in Nature.
17. Mechanics of Destruction.
18. Modelling for Burning and Combustion.
19. Nanotechnologies: Mathematical Models.
20. Earth Sciences, Geology, Geophysics.
21. Non-Classical Problems for Equations of Mathematical Physics.
22. Ill-Posed, Inverse and Conditionally Well-Posed Problems.
23. Nonlinear Modelling and Control.
24. Data Processing, Image Analysis and Processing.
25. Applied Probability and Statistics.
26. Applied Geometry. Image Processing and Recognition.
27. Applied Discrete Mathematics. Information Security and Data Mining.
28. Decision Making Systems for Regional Control.
29. Sociology. Psychology.
30. Special Functions and Orthogonal Polynomials.
31. Super-, Neural-, Biocomputers. Evolutionary and Membrane Computing.
32. Control and System Theories. Processes of Decision Making.
33. Heat and Mass Transfer.
34. Atmospheric and Oceanic Physics.
35. Fractals and Scale Effect.
36. Economics and Financial Mathematics.
37. Power and Power Transfer.
38. Jurisprudence. Criminalistics.
39. History of Applied Mathematics.
40. Mathematics of Emergencies.