

## ***List of key words***

- Agriculture
- Airlines
- Applied probability
- Artificial intelligence
- Assignment
- Auctions/bidding
  
- Banking
- Biology
- Branch-and-Bound , Branch-and-Cut
- Business process reengineering
  
- Combinatorial optimization
- Complexity theory
- Computing science
- Control and Optimal Control
- Convex programming
- Cost benefit analysis
  
- Data envelopment analysis
- Decision analysis
- Decision support systems
- Developing countries
- Distribution
- Dynamic programming
  
- Economics
- Education
- Energy
- Environment
- Evolutionary computations
- Expert systems
  
- Facilities planning and design
- Finance
- Flexible manufacturing systems
- Forecasting
- Fractional programming
- Fuzzy sets
  
- Game theory
- Gaming
- Geometric programming
- Global optimization
- Goal programming
- Government
- Graphs and Graph theory
- Group decisions and negotiations
  
- Health services
- Heuristics
- Human resources

- Integer programming
- Interior point methods
- Internet
- Inventory
- Investment analysis
  
- Knowledge-based systems
  
- Large scale optimization
- Linear programming
- Location
- Logistics
  
- Maintenance
- Manpower planning
- Manufacturing
- Marketing
- Markov processes
- Medicine
- Metaheuristics: Ant Colony, Electro-Magnetism method, Genetic algorithms, Neural networks, Simulated annealing; etc.
- Military
- Modeling and Modeling systems and languages
- Monte Carlo method
- Multi-agent systems
- Multiple criteria analysis
- Multiple objective programming
- Multivariate statistics
  
- Natural resources
- Networks and Network flows
- Nonlinear programming
  
- Organization theory
  
- Packing
- Parallel computing
- Parametric programming
- Penalty methods
- Petri nets
- Polyhedra
- Pricing
- Production
- Productivity and competitiveness
- Project management and scheduling
- Psychology
- Purchasing
  
- Quadratic programming
- Quality control
- Quality management
- Queueing
  
- Regression
- Reliability
- Replacement

- Research and development
- Retailing
- Risk analysis
- Risk management
- Robustness and sensitivity analysis
- Rough sets
- Routing
  
- Scenarios
- Scheduling
- Search theory
- Semi-definite programming
- Simulation
- Societal problem analysis
- Stochastic processes
- Stochastic programming
- Strategic planning
- Supply chain management
- Systems dynamics
  
- Tabu search
- Telecommunications
- Time series
- Timetabling
- Traffic
- Transportation
- Traveling salesman
  
- Uncertainty modeling
- Utility theory
  
- Visual interactive modeling