



# INDEX OF PAPERS PUBLISHED IN 2014

**Afanasiev V.N., Semion A.A.** Controller with discrete variable parameters. — 2014. — N 5. — P. 14—19.

**Aksenova G.P.** The matrix test response analysis technique for FPGA. — 2014. — N 5. — P. 65—69.

**Alexander** Solomonovich Mandel (on the occasion of 70<sup>th</sup> anniversary). — 2014. — N 3. — P. 83.

**Alexandrov A.G., Shatov D.V.** Frequency-modal adaptive control. — 2014. — N 5. — P. 7—13.

**Andreev K.V.** Multiple targets tracking with bearings-only measurements. — 2014. — N 2. — P. 75—80.

**Artytschenko S.V., Golovinski P.A.** Complex-valued channel representation for decoding of the broadband signal by the quantum neurons. — 2014. — N 3. — P. 64—67.

**Batov A.V., Breer V.V., Novikov D.A., Rogatkin A.D.** Macro- and micromodels of social networks. Part 2. Identification and imitational experiments. — 2014. — N 6. — P. 45—51.

**Belyaeva A.V., Grebenuk E.A.** Real estate mass appraisal models design with the spatial dependence. — 2014. — N 1. — P. 45—52.

**Blyumin S.L., Sysoev A.S.** Application of Lagrange mean value theorem to control of transport systems. — 2014. — N 1. — P. 2—13.

**Branishtov S.A., Shirvanyan A.M., Tymchenok D.A.** Generation of train routes at the station. — 2014. — N 4. — P. 53—59.

**Breer V.V.** Conformal behavior models. Part 1. From philosophy to math models. — 2014. — N 1. — P. 2—13.

**Breer V.V.** Conformal behavior models. Part 2. Mathematical models. — 2014. — N 2. — P. 2—17.

**Breer V.V., Novikov D.A., Rogatkin A.D.** Micro- and macromodels of social networks. Part 1. Theory fundamentals. — 2014. — N 5. — P. 28—33.

**Bronshtein E.M., Davletbaev A.A.** Nonstationary routing problem. — 2014. — N 3. — P. 23—28.

**Bychkov I.V., Kazakov A.L., Lempert A.A., Bukharov D.S., Stolbov A.B.** The intelligent management system of development of regional transport-logistic infrastructure. — 2014. — N 1. — P. 27—35.

**Dobrovidov A.V., Kulida E.L., Rudko I.M.** Optimization of the object movement path on the probabilistic criterion in the mode of passive sonar in an anisotropic medium. — 2014. — N 4. — P. 31—37.

**Dranko O.I., Filimonov V.S.** The control parameters investigation of the company value analytical model: growth of strong, fall of weak. — 2014. — N 6. — P. 52—58.

**Egorova L.G.** Effectiveness of different trading strategies for price-takers. — 2014. — N 5. — P. 34—41.

**Eliseev N.I., Finko O.A.** Subsystem of information quality remote authentication in electronic document management systems. — 2014. — N 3. — P. 68—73.

**Ena O.V., Efimenko I.V., Kolesov R.B.** Data patterns analysis and knowledge engineering methods for analytical support of sportsteam management. — 2014. — N 2. — P. 32—38.

**Gayvoronskiy S.A., Ezangina T.A.** Control of descent submarine vehicle in conditions of heavy sea. — 2014. — N 6. — P. 9—14.

**Geraskin M.I., Kvashin D.A.** Optimization of state investment social projects based on regression models of regional development. — 2014. — N 3. — P. 38—49.

**Grebenuk E.A., Malinkina A.V.** Econometric analysis of data for identification and dating the financial bubbles timeline. — 2014. — N 5. — P. 50—58.

**Grebenuk G.G., Nikishov S.M.** Definition of the critical failures breaking power supply of the set of objects of a distribution electric network. — 2014. — N 5. — P. 59—64.

**Gridin V.N., Anisimov V.I., Almaasali S.A.** Implementation of diakoptics method for modeling and calculation of large scale systems. — 2014. — N 4. — P. 9—13.

**Gubanov D.A., Chkhartishvili A.G.** Actional model of influential users of social networks. — 2014. — N 4. — P. 20—25.

**Gusev V.B., Isaeva N.A.** Expert analysis of system effect from the reciprocal effects of the factors of credit and monetary policy for the support of decision making on the basis of the reflexive procedures of linear evaluation and logical conclusion. — 2014. — N 6. — P. 59—67.

**Il'ichev V.G.** Optimization and spatial adaptation in a problem of a long-term harvesting of fish populations. — 2014. — N 2. — P. 66—74.

**Index** of papers published in 2014. — 2014. — N 6. — P. 80—81.

**Ivanov N.N.** Method of function evaluation of distribution and numerical probabilistic characteristics of performance time for a stochastic activity network. — 2014. — N 6. — P. 15—21.

**Kochetkov S.A., Utkin V.A.** DC motor control on the base of vortex algorithm. — 2014. — N 5. — P. 20—27.

**Kornoushenko E.K.** Multi-model approach to mass appraisal of multi-parameter plants. — 2014. — N 5. — P. 42—49.



**Kornoushenko E.K.** Steady-states control in positive nonlinear normalized models of weakly formalized systems. — 2014. — N 2. — P. 18—25.

**Krasnova S.A., Utkin A.V.** Analysis and synthesis of minimum phase nonlinear SISO-systems under the action of external mismatched disturbances. — 2014. — N 6. — P. 22—30.

**Kubyshkin V.A., Postnov S.S.** Investigation of two kinds of optimal control problem for fractional order pendulum using the method of moments. — 2014. — N 3. — P. 14—22.

**Mirzoyan G.L.** State-financed medical organizations as a mean of regulation for a price and reputational competition on local markets of healthcare service. — 2014. — N 4. — P. 26—30.

**Morozov M.V.** Algorithm for robust stability analysis of continuous control systems with periodic constraints imposed on their parameters. — 2014. — N 2. — P. 26—38.

**Ougolnitsky G.A., Usov A.B.** Modeling of corruption in three-level control systems. — 2014. — N 1. — P. 53—62.

**Podinovskaya O.V., Podinovski V.V.** Analysis of hierarchical multicriterial decision making problems using methods of criteria importance theory. — 2014. — N 6. — P. 2—8.

**Popova O.M., Usov I.Yu.** Algorithms for simplified analysis of reliability for optimization of a backbone electric network. — 2014. — N 2. — P. 49—55.

**Potekhin A.I., Branshtov S.A., Kuznetsov S.K.** Railway network discrete-event models. — 2014. — N 1. — P. 73—81.

**Prokhorov A.A., Mitrishkin Y.V., Patrov M.I., Gu-sev V.K.** Cascade multivariable control system of a poloidal magnetic flux in a tokamak. — 2014. — N 2. — P. 56—65.

**Seventy** five years of formation and development of Russian control science: 75<sup>th</sup> anniversary of the Institute of Control Sciences. — 2014. — N 3. — P. 2—13.

**Shevchenko A.M., Nachinkina G.N.** Energy forecasting method for aircraft safe braking. — 2014. — N 4. — P. 38—44.

**Shomova E.N.** Regress accounting model in the absence of research funding. — 2014. — N 2. — P. 44—48.

**Sidelnikov Yu.V.** Four-stage brainstorm. — 2014. — N 1. — P. 36—44.

**Sigova S.V., Parikova N.V.** Foreign labour migration evaluation impact on Russian economy. — 2014. — N 3. — P. 50—56.

**Somov S.Ye.** Economical pulse-width control at unloading a gyro moment cluster of mini-satellite attitude system. — 2014. — N 4. — P. 60—68.

**Somova T.Ye.** In-flight support of the information satellite motion control systems with application of imitation and animation. — 2014. — N 5. — P. 70—78.

**Sorokina A.N., A. Chervonenkis A.Ya.** The modernized algorithm and experimental results of ads allocation in sponsored search optimization. — 2014. — N 3. — P. 57—63.

**Stanislav** Vasilievich Emelyanov (on the occasion of 85<sup>th</sup> anniversary). — 2014. — N 3. — P. 81.

**Stepanenko S.A., Yuzhakov V.V.** Exascale supercomputers. Architectural outlines. — 2014. — N 1. — P. 63—72.

**Syrov A.S., Puchkov A.M., Rutkovsky V.Yu., Glumov V.M.** The control tasks of unmanned multimode vehicles motion. — 2014. — N 4. — P. 45—52.

**The 7<sup>th</sup>** International conference «Management of large-scale system development». — 2014. — N 2. — P. 81—87.

**The new in production automatic control.** — 2014. — N 5. — P. 80—83.

**Uskov A.A.** Sufficient stability condition for control systems with one-dimensional fuzzy inference blocks. — 2014. — N 4. — P. 14—19.

**Vedeshenkov V.A., Kurako E.A., Lebedev V.N.** On diagnosing of digital systems with minimal quasicomplete graph structures by dimension  $7 \times 7$ . — 2014. — N 6. — P. 68—76.

**Vittikh V.A.** Evergetics problems. — 2014. — N 4. — P. 69—71.

**Vladimir** Burkov (on the 75th anniversary of birth). — 2014. — N 6. — P. 77.

**Yuldashev T.K.** Approximate solving of nonlinear parabolic and ordinary differential equations and approximate calculation of functionality of quality with known operating influences. — 2014. — N 4. — P. 2—8.

**Yusubov Sh.Sh.** On an optimality of the singular with respect to components controls in the Goursat — Douroux systems. — 2014. — N 5. — P. 2—6.

**Zaytsev I.D.** Probabilistic estimation of agent modeling results by example of Schelling segregation model. — 2014. — N 2. — P. 39—43.

**Zen'kova L.P.** Leading indicators of business cycles in the developed countries and transformation economies: the comparative analysis. — 2014. — N 5. — P. 29—37.

**Zhukovskiy V.I., Soldatova N.G.** Guaranteed risks and outcomes in «game against nature». — 2014. — N 1. — P. 14—26.

**Zverev O.V., Khametov V.M.** Quantile hedging of European options in incomplete markets. Part I. Superhedging. — 2014. — N 6. — P. 31—44.

**XXI International** conference «Control problems of complex systems security». — 2014. — N 3. — P. 74—80.