

# КОМПЕТЕНТНОСТЬ

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**12 /** О НЕОБХОДИМОСТИ МОДЕРНИЗАЦИИ ТЕХНОЛОГИЧЕСКОЙ БАЗЫ  
РОССИЙСКОЙ ЭКОНОМИКИ **28 /** ЕЩЕ РАЗ О ТЕХНИЧЕСКОМ РЕГУЛИРОВАНИИ  
**32 /** О ПОТРЕБИТЕЛЬСКОЙ СТОИМОСТИ ТОВАРА И КАЧЕСТВЕ ПРОДУКЦИИ



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# Competency

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**6 New stage of the reform.** Prof. V.A. Novikov, Pro-Rector, State Educational Institution for Further Professional Education Academy for Standardization, Metrology and Certification (Educational), Moscow  
Never-ending reforms and responsibility, necessity and importance of educational reform, educational milieu development and its adaptation towards social and economic situation of Russian as well as European society are being analyzed by the author.  
Key words: reforming, education reform, educational milieu, legal environment, Further professional education

**8 Problems with Engineer Training in Russia.** Prof. Dr. I.B. Fedorov, Academician, Russian Academy of Sciences, Rector, Bauman State Technical University, Chairman, Moscow Council of rectors, President, Russian Association of Technical Universities, Moscow  
Russian education system is being analyzed. The author indicates the main reasons for its reforming and offers a way out of the educational crisis situation, especially in the engineer training  
Key words: innovative educational systems, innovative society, educational technology, high technologies, engineering education

**12 On Technology Modernization in the Russian economy.** Prof. Dr. L.G. Dubitsky, State Educational Institution for Further Professional Education Academy for Standardization, Metrology and Certification (Educational), Moscow  
Various aspects of the Russian economy modernization, its goals and objectives, necessary conditions for a successful breakthrough in high technologies are being analyzed. Crucial role of modern forms of education in the training of specialists is emphasized. Specialists that are capable to turn Russia to a society focused on progress and radical improvement in the quality of life  
Key words: modernization, high and critical technologies, priority areas of science, technological development, intellectual potential of the nation, targeting, coaching

**16 Aspects of Innovative Development and System Problems of Technical Regulation.** Prof. Dr. G.V. Pankina, Rector, State Educational Institution for Further Professional Education Academy for Standardization, Metrology and Certification (Educational), ASMS, Moscow, Prof. Dr. L.G. Dubitsky, ASMS, Moscow  
Scientific, technical and innovative problems are being considered through the prism of technical regulation. Implementation of various research works in the field of Russian economy innovative development and the system problems of technical regulation are discussed in the article  
Key words: system problems, technical regulation, innovative development, competitiveness, management systems, state-owned corporation

**24 On Conceptual problems of Technical Regulation.** Prof. Dr. L.G. Dubitsky, State Educational Institution for Further Professional Education Academy for Standardization, Metrology and Certification (Educational), Moscow  
In addition to the work [1], the author expounds his views on the national technical regulation system development. Development prospects of a unified information system of technical regulation in the structural and hardware-software are considered  
Key words: complex object, technical regulation system, Venture methodology, hazardous landscape, unified information system, expert system, methods of convolution

**28 Technical regulation anew.** M.A. Ushakov, Head of Coordination Information and Editing Department, State Educational Institution for Further Professional Education Academy for Standardization, Metrology and Certification (Educational), Moscow  
Changes in the Federal Law On technical regulation aimed to create an effective system of technical regulation, modern legislative and regulatory framework are being discussed in the article  
Key words: technical regulation, standardization, legislative and regulatory framework, new and modular approaches, efficiency, prestandard

**21 On Establishing United Economic Area.** I.B. Kuskova, Proof-Reader, Information and Editing Department, State Educational Institution for Further Professional Education Academy for Standardization, Metrology and Certification (Educational), Moscow  
International conference Technical regulation 2012. Instruments establishing the United Economic Area was held in Moscow. Problems in a single economic space creation within the Eurasian Economic Community are being discussed  
Key words: united economic area, technical regulation system, regulatory sphere, harmonization of technical regulations

**32 Goods use Value and Quality of Products.** Prof. Dr. A.V. Nesterov, State University, High School of Economics, Moscow  
Quality ratio, use value and product effectiveness are being examined. Moreover, relationships between efficiency, effectiveness and usefulness in the context of value, price and purpose ratio are analyzed in the given article  
Key words: use value, product quality, value, price, score, goal, customer satisfaction, efficiency, effectiveness

**38 Improvements in the Quality Planning Process.** Dr. K.L. Razumov-Razdolov, Head, Production development, Russian Electrotechnical Concern, Ruselprom, Moscow  
The author suggests considering quality planning as a process, clearly targeted at achieving concrete results and offers to improve planning procedures and to adopt a common terminology  
Key words: quality planning, vision and strategic planning, targets, terminology, quality process, methodology

**46 Safety Price.** Prof. Dr. V.V. Klyuev, Director, LSC, Research Institute, International Non-Governmental Organization, Spectrum, President, Russian Society of NDT and technical diagnostics, Academician, Russian Academy of Sciences, Moscow  
The range of hazards in various industries and energy is growing. Researches in security ways and procedures, which will adequately meet new challenges, put an impulse on the problem of monitoring and diagnosis of technogenic sphere  
Key words: nondestructive testing, technical diagnostics, emergency situation, complex technical systems, technogenic space, anti-terrorist safety

**48 Industry of Etalon Thermal Converters and Resistance Thermometers.** Dr. V.A. Nikonenko, General Director, JSC, Research and Industrial Enterprise Etalon, Omsk, Dr. A.V. Ermakov, General director, LSC, Ural Innovative Technologies (LSC URALINTEH), Ekaterinburg, Dr. E.S. Studionok, Quality Director, LSC URALINTEH, Ekaterinburg  
Russian measurement equipment manufacturers undergo some difficulties in the manufacture of quality thermocouple wire and require some solutions. It is proposed to specify the impurity composition of platinum, as well as to harmonize the regulatory framework for thermometry  
Key words: standard thermal converter, resistance thermometers, harmonization of standards, platinum, impurities, limiting of size, integral characteristic of platinum