ENGINEERING EDUCATION 18'2015

Contents

Editor's letter	4
ENGINEERING EDUCATION AND ECONOMY	
Elite Engineers for Economy. Who is the F Demanded Specialist of Today and Tomo V.V Novoselov, V.M. Spasibov	
Process Approach Application to Engineering and Education <i>V.P. Solov'ev, T.A. Pereskokova</i>	13
Engineering Education Development Paths for Innovation-Based Regional Economy I.L. Gonik, Ye.V. Stegachov, O.V. Yurova, A.V. Tekin	23
The Level Structure of Creative Class A.V. Kozlov, O.V. Sidorkina, T.V. Pogrebnaya	31
IMPROVEMENTS IN UNIVERSITY	
On Necessity of Balance Between Profession Development and Rank Promotion of Univer Faculty MEMBERS I.N. Kim	
Development of Engineering Graduates' Competences V.P. Solov'ev, T.A. Pereskokova, Yu.A. Krupin	44
Measures Contributing to Publishing Activity of Faculty Members I.N. Kim	<i>57</i>
Introduction of Modern Teaching Technolog in to "Metrology, Standardization and Certification" Curriculum A.A. Glukhanov	ies 69
On-line Quality Assurance of Study Programmes: EQUASP Approach A. Squarzoni, J.J. Perez, V.E. Mager	73
On Modelling Management Process in Engineering Schools Ju.V. Podpovetnaya, N.A. Kalmakova	83

Yakutsk State Academic Olympiad	
in Technical Drawing – 50 years R.R. Kopirin	89
Engineering Staff Training – Issue of National Concern E.P. Aprosimova, N.I. Andreev	93
INTERACTION WITH REAL ECONOMY	
Development Trends of Military – Industrial Complex and its Interaction with Education and Science T.Yu. Dorokhova, D.Yu Muromstev	102
Strategy to Reinforce Employer Engagement in Engineering Education L.V. Motaylenko	106
Collaboration Between Coal Mining Company and Higher Education Institute for Production Process Improvement Yu.S. Doroshev, A.V. D'yakonov, E.E. Soboleva, V.A. Khazhiev	111
Information and Communications Technologie as a Factor in Railway Engineering Education Improvement and Promotion N.A. Nastashchuk	es 122
Ways to Improve Engineering Students' Economic and Management Competencies I.V. Krasnopevtseva, A.Yu. Krasnopevtsev	127
Our Authors	130
Summary	134
Public-Professional Accreditation of Curricula (Results)	138
AEER re-authorization to award the «EUR-ACE® Label»	180