

This book is a collection of selected papers participated in  
the international conference,

---

---

## SCIENCE AND EDUCATION IN THE 21<sup>ST</sup> CENTURY:

UNIVERSITY'S ROLE FOR INNOVATIVE DEVELOPMENT OF THE REGION

---

---

The conference was held on October 25-26, 2012  
at the North-Eastern Federal University,  
Yakutsk, Sakha Republic, Russian Federation

### Editors

**Evgenia I. Mikhailova Ducksoo Kang**

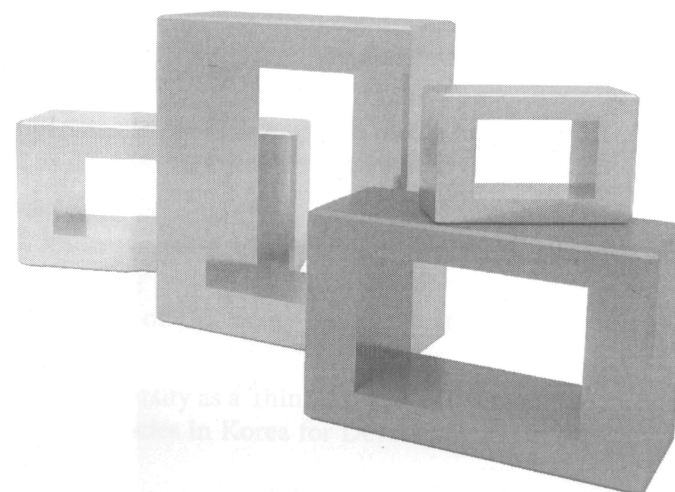
This publication is made possible by financial support  
from the university development fund of the North-Eastern Federal University.

Printed by Buma Publishing co., Seoul, Republic of Korea

ISBN: 978-89-88108-51-2

Copyright © 2014 by The North-Eastern Federal University

# SCIENCE AND EDUCATION IN THE 21<sup>ST</sup> CENTURY



General Papers

Cultural Issues in Vocational Training of a Social Course

Research Issues of Expressive Art Olonkho Style (the Case of the Olonkho

by P. P. Yedukhin)

## CONTENTS

### Keynote Papers

- Evgenia I. Mikhailova**  
Intellectual Platform of Innovative Development of North-East of Russia ... 1
- Ducksoo Kang**  
The Siberian Identity and the Role of NEFU ..... 8

### Invited Papers

- Cheon Il Eom**  
Organization and System for Productive R&D: Case of Korea as an Example .....15
- Gail Fondahl**  
Education in the North for the North: University's Role in Development  
of Northern Region ..... 18
- Youkyung Han**  
Internationalization of Higher Education in Korea ..... 24
- Heeyoung Park**  
Minorities Education for Preservation of Cultural Heritage ..... 35
- Kyung Jae Park**  
Integration of University and Business-narration ..... 41
- Florian Stamler**  
The Cooperation between Science and Media for the Masses: Academic  
Betrayal or Efficient Means of Dissemination? .....48
- Eunkyung Sung**  
Current Status of Cyber Universities in Korea ..... 60
- Soung Ryong Yee**  
IT Infrastructure of University for the Next Society ..... 72
- Sung-Sang Yoo**  
The Role of University as a Think Tank: Achievements and Challenges  
of University Policies in Korea for Developing Countries ..... 82

### General Papers

- V. N. Antonova**  
Ethnic, Social and Cultural Issues in Vocational Training of a Social Counselor ... 97
- Y. P. Borisov**  
Syntactic Means of Expressing the Olonkho Style (the Case of the Olonkho  
by P. P. Yadrikhinsky *Jyrybyna Ivryletta the Warrior Maiden*). .....109

<b>A. R. Chepil</b>	
Question about Internationalization of the Higher Education .....	113
<b>O. M. Chorosova</b>	
Approaches to the Synchronization of the Modernization Processes in the System of Continuing Professional Education .....	119
<b>Valery Sergeevich Efimov</b>	
The Future of the Higher School of Russia: Transformation of Universities ...	126
<b>A.V. Fedorova</b>	
Internationalization as a Resource for the University Development .....	140
<b>O. A. Fedorova</b>	
New Approaches to Finding Forms of Preparation Technical Specialists in Competitive Environment .....	143
<b>D. V. Filippov and N.V. Okhlopko</b>	
Results and Activity Prospects of the Finance and Economics Institute at the Thematic Network <Local and Regional Development in the North> of the University of the Arctic in the Rural Territories of the Republic of Sakha (Yakutia).....	152
<b>G. G. Filipov</b>	
Operational Experiences of NEFU in Preservation and Development of Languages and National Culture of the Republic of Sakha (Yakutia) .....	165
<b>A. I. Gogolev and N. A. Struchkova</b>	
Importance of the Historical Education in the System of the Modern Russian Educational Policy .....	169
<b>P. V. Gogolev</b>	
Public-Private Partnership in Russia: Experience in Lawmaking and Law Model Analysis .....	174
<b>N. N. Kozhevnikov and V. S. Danilova</b>	
Trans- and Interdisciplinarity in the Context of Development of Modern University.....	178
<b>M. V. Larionova, O. V. Perfiljeva, N. A. Medushevsky, I. V. Lazutina, V. A. Nagornov, and L.V. Zavarykina</b>	
The role of M.K.Ammosov North-Eastern Federal University in Innovative, Academic and Sociocultural Development of Territory ....	190

<b>N. A. Leontiev, I. A. Sleptsov, and A. A. Protodjakonova</b>	
Automated Synthesis and Speech Recognition in Yakut Language .....	211
<b>O. A. Melnichuk</b>	
Professional Humanitarian and Philological Education in Modern Conditions...	215
<b>A. T. Naberezhnaya, A. T. Nazarov, N. A. Stepanova, A. V. Trubina, and A. N. Pavlova</b>	
Foresight of the Social Development in the Sakha Republic (Yakutia) ...	218
<b>N. A. Nikolaeva and A. A. Petrova</b>	
Communicative Integrations in Tourism and a Search for a Recognizable Symbol of Yakutia's Tourist Product.....	227
<b>A. A. Okhlopko, M. D. Sokolova, and T.N. Popova</b>	
Chemical Education as a Priority Sector of a Region's Economy .....	244
<b>P. G. Petrova and N.V. Borisova</b>	
Innovative Medical Education in the Context of Modernization of Public Health Service .....	249
<b>A. A. Popov and A. N. Myreev</b>	
University as a Center of Internationalization of Northern Regions (on the Example of the Sakha Republic (Yakutia) .....	253
<b>O. N. Ptytsina and S. N. Dmitrieva</b>	
Multicultural Education as a Basis for Integration of a Bachelor into the Global Education .....	262
<b>V. I. Shadrin</b>	
The Role of NEFU in Keeping and Evolution of Yukaghir Language and Culture .....	266
<b>S. A. Sukneva, and A. S. Barashkova</b>	
Social and Demographic Reproduction of the Peoples in the Sakha Republic (Yakutia): Thinking Long-Term .....	270
<b>S. E. Vasiliev and V. V. Illarionov</b>	
Olonkho Academic-Educational Information System and a Multilingual Portal www.olonkho.info: The Infrastructure for Preserving and Promoting Cultural Heritage... ..	277
<b>A. A. Vinokurov, V.Y. Frisovsky, and R.R. Nogovitsyn</b>	
Intellectual Property as Element of Innovation Model for Interaction between Science and Business .....	285

**T. I. Volkova**

Comparative Analysis of the Federal Universities in Educational Process for Modernization ..... 291

**A. Y. Yakobson**

Latest Geography of Higher Education in Our Country: Dynamics and Issues ... 298

**K. M. Yakovleva and A. N. Alexeeva**

Field Research of Cultural Antropology Group in the Field of Separating the Core Culture Elements of the Sakha People .....303

**B. N. Zarovnyaev, A. N. Petrov, and G. V. Shubin**

Organization of Research and Educational Center of Geotechnologies in the North-East of Russia .....313

**Recommendations of the International Conference** ..... 319

# Keynote Papers