

**Volume 4. N3**

**2003**

Transporta un sakaru institūts  
(Transport and Telecommunication Institute)

---

# **Transport and Telecommunication**

**Volume 4. N 3 - 2003**

**ISSN 1407-6160**

**Riga – 2003**

## **EDITORIAL BOARD:**

Prof. Igor Kabashkin (Editor), *Transport & Telecommunication Institute, Latvia*  
Prof. Yuri Shunin (Co-Editor), *Transport & Telecommunication Institute, Latvia*  
Prof. Vitaly Yermeev, *Transport & Telecommunication Institute, Latvia*  
Prof. Adolfas Baublys, *Vilnius Gedeminas Technical University, Lithuania;*  
Dr. Brent Bowen, *University of Nebraska at Omaha, USA;*  
Prof. Olgierd Dumbrajs, *Helsinki University of Technology, Finland;*  
Prof. Arnold Kiv, *Ben-Gurion University of the Negev, Israel*  
Prof. Anatoly Kozlov, *Moscow State University of Civil Aviation, Russia.*

## **Host Organization:**

Transport and Telecommunication Institute - Eugene Kopytov, Rector

## **Co-Sponsor Organization:**

PAREX Bank, Latvia - Valery Kargin, President

## **Supporting Organizations:**

Latvian Transport Development and Education Association - Andris Gutmanis, President  
Latvian Academy of Sciences - Juris Ekmanis, Vice-President

Articles and review are presented in the journal in English (preferably), Russian and Latvian languages (at the option of authors).

## **EDITORIAL CORRESPONDENCE**

Transporta un sakaru institūts (Transport and Telecommunication Institute)  
Lomonosova iela 1, LV-1019, Riga, Latvia. Phone: (+371)-7100594. Fax: (+371)-7100535.  
E-mail: [kiv@tsi.lv](mailto:kiv@tsi.lv), [http:// www.tsi.lv](http://www.tsi.lv)

**TRANSPORT and TELECOMMUNICATION**, 2003, Vol. 4, No.3

ISSN 1407-6160

The journal of Transport and Telecommunication Institute (Riga, Latvia).

The journal is published since 2000.