



---

## ANNUAL REPORT 2015

*Karel Pavelka, Eva Matoušková*

### INTRODUCTION

The Civil Engineering Journal has been founded on 1st of January 2015 at the Faculty of Civil Engineering, Czech Technical University in Prague. It follows the agenda of former journal named „Stavební Obzor“ that used to be published as a printed version in the Czech language. It has a long history dating back to 1950.

With the transformation of „Stavební Obzor“ to the Civil Engineering journal some major changes occurred. Printed version has been abandoned and the Civil Engineering Journal is now available online, see [civilengineeringjournal.cz](http://civilengineeringjournal.cz). In order to provide information to wider public the publishing language has been changed to English. This change brought the journal publishers and followers from all around the world.

### STATISTICS

Statistics show more than 2500 entries to the [civilengineeringjournal.cz](http://civilengineeringjournal.cz) web page in 2015. The majority (about 50%) comes from the Czech Republic, but there several thousands of entries from China and Brazil. Russia, United States of America and other European countries play also an important role. We have more than twenty entries from countries such as Philippines or India and there have been entries from exotic countries like Nepal, Azerbaijan, Bhutan, Tanzania, Honduras or Australia. These number show that the Civil Engineering Journal is becoming a worldwide known journal and we believe that the number of followers will increase in years to come.

### ISSUES IN 2015

In 2015 the Civil Engineering Journal has published four issues with 23 original manuscripts. Most authors come from the Czech Republic, but we had two Chinese articles in issue 2-2015. We have an increasing number of Asian authors coming mainly from China. Information show, that this trend will continue in the years to come since an interest from this area is very strong. All manuscripts are given a unique DOI.

A list of published manuscripts with authors and their affiliation follows:



Volume	Manuscript Title	Autors
1	Adaptive Reuse for New Social and Municipal Functions as an Acceptable Approach for Conservation of Industrial Heritage Architecture in the Czech Republic	Oleg Fetisov
1	Draft model for creating a financial indicators of bridge construction	Iveta Strelcova
1	Comparison of tunnelling methods NATM and ADECO-RS	Linda Černá Vydrová
1	Observing landscape changes using distant methods	Jan Pacina, Ján Sládek
1	Detection of nonstationarities of several small Czech rivers by statistical methods	Hana Horáková, Daniela Jarušková, Ladislav Satrapa
1	Temperature heterogeneity of travelling fire and its influence on composite steel-concrete floor	Kamila Horová, František Wald
1	Determining factors in the conversion of power stations - the case study of Nordkraft power plant (Aalborg) in comparison to other plants around the world	Marie Janoušková
2	Large-scale fire test with a passenger car in an open area	Otto Dvořák, František Wald
2	Study on the Damage Mechanism of Pore Structure in Concrete subjected to Freeze-Thaw Cycles	Ben Li, Kaiyuan Wang, Jize Mao, Qingyong Guo
2	Effects of fog precipitation on water resources and drinking water treatment in the Jizera Mountains, Czech Republic.	Josef Křeček, Ladislav Palán
2	Monitoring of heaps using various technologies	Helena Straková, Jaroslav Šedina, Zdeňka Bílá
2	The structural analysis of steel silos with cylindrical wall-bearing and profile-steel bearing	Zhengjun Tang, Daibiao Zhou, Chenwei Peng, Wenping Wu
3	Measuring of the economic cycle on the labour market in the Czech construction sector by the means of nairu	Božena Kadeřábková, Emilie Jašová
3	The identification of a group of settlement known as "Hirzův Újezd" by Černá in Pošumaví	Milan Nesměrák
3	Statistical assessment of qualitative quality performance of building products during conformity assessment and certification in the fire protection field	Otto Dvořák
3	Sensitivity analysis of building structures within the scope of energy, environment and investment	František Kulhánek, Kağan Poyraz
3	Defects and failures of joint of historic roof trusses and possibilities of using RFP materials in their rehabilitation and stabilization	Čejka Tomáš, Kroftová Klára, Šmidtová Markéta, Zigler Radek
3	Potential applications of transparent fabric based on nanofibers for the strengthening of plasters decorated with paintings and frescoes	Kroftová Klára and Šmidtová Markéta
4	Rehabilitation of historic half-timbered walls with composite materials based on high-strength	Čejka Tomáš, Kroftová Klára, Šmidtová Markéta, Zigler Radek
4	Contribution to the potential of using FRP materials in the rehabilitation and stabilization of timbered buildings	Čejka Tomáš, Zigler Radek, Kroftová Klára, Šmidtová Markéta
4	Fire protection of timber structures strengthened with FRP materials	Radek Zigler, Marek Pokorný
4	First steps in urban planning of Bulgarian cities with participation of Czech architects and engineers at the turn of 19th and 20th centuries	Nikolay Brakov
4	Influence of cyclic loading on the strain development of concrete specimens	Marek Foglar, Jakub Göringer



## WORK IN 2015

The Civil Engineering Journal Redaction has a strong cooperation with the National Technical Library. In December 2015 the redaction has sent an application form to several publication databases (Elsevier's Engineering Village, see <https://www.engineeringvillage.com>; EBSCO, see <https://www.ebsco.com>; ProQuest, see <http://www.proquest.com> and DOAJ <https://doaj.org>). The result of this application can take very long (up to two years) so we will be patient and wait for their answer. The redaction is now using a CrossRef application iThenticate ([app.ithenticate.com](http://app.ithenticate.com)) for plagiarism prevention of published manuscripts.

## CONCLUSION

The first year of the Civil Engineering Journal in new shape has been very successful. The journal has published many interesting and high technical value manuscripts.

## ACKNOWLEDGEMENT

The Civil Engineering Journal Redaction would like to thank all members of the editorial board for their support as well as to members of the National Technical Library - Lenka Němečková and Iva Adlerová - for their time and all the information and work provided. The redaction would also like to thank Lucie Bubníková for language corrections.