## SCIENTIFIC BULLETIN of "Politehnica" University of Timişoara Transactions on Hydrotechnics

## **CONTENT and ABSTRACTS**

## Vol. 51 (65) 2006, No. 1,2, ISSN 1224-6042

## Sumalan, I. David, I.- Simplified Method to Calculate the Yield Production of the Fully Penetrated Well in

acceptance as practical storm water management methods. <u>Keywords</u>: storm water, peak flow, bioretention, runoff, infiltration

This paper presents the role of inland and outland infrastructure for a sustainable rural development, in encouraging non-agricultural investments, with a significant general impact upon rural development. <u>Keywords</u>: rural development, sustainable, infrastructure, inland, outland

<u>Abstract</u> - It is a synthetic work, based on data from specialized, literature, as well as those provided by Caraş - Severin Environment services. It presents the specific quantities of domestically waste from different countries, compared to Romania, the average essence of domestically waste and solid urban waste characteristics. The papers contain also a comparison between Romania and others country regarding the specific domestically waste quantities and composition. It is also brought up the impact on the quality of the environment factors.

Keywords: recycling, environment factor, domestically waste, solid urban waste

<u>Abstract</u>-At the present time, it is obvious that software based on total stations equipment is gaining more and more development. An important aspect in the software for electronically equipment consists in its applicability for processing data obtained by total station or any other electronic equipment during field measurement. The paper shows how an appropriate interface between a total station and PC applications can rise up the efficiency of the PC applications in generating digital plans and also other elements with application in cadastre and civil engineering.

<u>Keywords</u>: tachymeter, theodolite, bluetooth, GIS format, Direct.dxf

<u>Abstract</u>: It is presented an in situ method when the phreatic level is at over 2 m depth. Inside the drill water is purred and with a float bowl we observe the level decreasing. <u>Keywords</u>: hydraulic conductivity, in situ drilling method, phreatic aquifers

Keywords: technical networks, optimizing procedures, virtual transitions

distribute fluids like drinking water, hot water for central heating systems or combustible gases. Generally, the optimized dimensioning criteria with the best results is based on the minimum annually

equivalent cost equation. Beside of the mathematical models for these optimization systems short particularly numerical case studies are presented.

Keywords: technical networks, minimum cost

Keywords: bearing capacity, foundations, punched holes, prefabricated

*Mirea, M., Mihu,P.*- Tests for Vertical Compression Loadings on Foundation Piles on A Hotel in Timişoara......67 <u>Abstract</u> - The paper presents the behavior of two drilled piles with large diameter under vertical compression loads, piles that are part of the foundation system for a hotel in Timisoara. The tests were carried out to establish the bearing capacity of the piles for providing some useful design information. <u>Keywords</u>: deformations, piles, loadings, compression

Herban, I.S., General Considerations Regarding the Methods in Determining Deformation in Constructions......71 <u>Abstract</u>-Since Antiquity, the human desire to conceive and build great objects is well know, beyond all imagination, some of them have been build up with the purpose to touch the heaven and even beyond its (Babel Tower 3500 B.C.). If we refer to our days, it says that the architects together with the constructions engineers "overtake" the limits of our age and the watcher has the impression that some of the edifices that are build now belongs to the future. In this paper the author wants to create some models for searching and evaluate the behavior of the buildings, constructions, with the purpose of finding the reason of the improper and deformation in time of those constructions

Keywords: building deformation, measuring methods, topo-geodesic method

Keywords: jumping-up basin, dissipation energy, drowned vein.