



COLLABORATIVE RESEARCH CENTER 837

## INTERACTION MODELING IN MECHANIZED TUNNELING

RUB

### Seminar: Messdaten-Verwaltungssystem GKSpro/TISSY – City-Tunnel Leipzig

**Dr.-Ing. Thomas Stolp**

*GID – Gesellschaft für  
Informatikdienste mbH  
Eichwalde – Germany*

**Dr.-Ing. Stefan Franz**

*DEGES – Deutsche Einheit Fern-  
straßenplanungs- und -bau GmbH  
Berlin – Germany*

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The Leipzig city tunnel is the final and central component of the railway system restructuring process in Greater Leipzig. The completion of the tunnel will not only bring improvements to the suburban train system - transport between the region and the city will also be improved, and the tunnel will give a major impetus to the development of the city's transport system.



Source: <http://www.citytunnelleipzig.de>

Such complex construction projects with a distinct spatial, organizational and information-specific distribution and autonomy require systematic data management measures. The

seminar exemplifies the data management system GKSpro/TISSY on the basis of the Leipzig city tunnel. The basic requirements on the project included transparent data structures for all measurement systems, the long term availability of measurement results and the centralization of data in view of the fact that assignments were given to the contractors on a lot-by-lot basis and the heterogeneous project structure (inner-city tunnel, installation of stops, connection to the existing traffic network, measures to support the construction ground).

Furthermore, the seminar gives an overview of the collected data and the system functions in the field of data integration using the project database. It focuses on the fusion of measurement results from different sources on a joint, homogeneous platform.

**Guests are sincerely welcome!**