



Ing. Miloslav Jakeš – Ing. Mgr. David Krásenský

**INFORMAČNÍ SYSTÉM MANAGEMENTU
MANAGEMENT INFORMATION SYSTEM**

The article sums up the philosophy of creating the specialized information systems providing the support to the top management. Involved are the tasks providing presentation of operation and economic data in a form facilitating management's evaluating or taking the strategic decisions or bussiness plans.

Ing. Jan Pokorný

**EKONOMICKÝ CONTROLLING NA ČESKÝCH DRAHÁCH
ECONOMIC CONTROLLING AT CZECH RAILWAYS**

Expected introduction of the integrated information system SAP R/3 at Czech Railways is aimed firstly at the development of modules covering the economic controlling. The article characterizes the scope, conditions and problems of system implementation into the given economic environment at ČD, appraises the impacts upon the management system and informs about first experiences and further plans.

Ing. Jan Bartek – Ing. Marek Neustadt

**MOŽNOSTI ROZVOJE INFORMATIKY V DIVIZI OBCHODNĚ PROVOZNÍ ČD
POSSIBILITIES OF INFORMATICS DEVELOPMENT IN THE ČD COMMERCIAL &
OPERATING DIVISION**

The paper describes the present and planned intentions in the use of information systems for passenger and freight traffic management. The information systems are defined in accordance with their characteristic functions and their internal and external interrelations are explained.

Ing. Robert Číhal, CSc.

**K NĚKTERÝM SOUVISLOSTEM AUTOMATIZAČNÍ PODPORY PASPORTIZACE
ZAŘÍZENÍ ŽELEZNIČNÍ INFRASTRUKTURY
SOME ASPECTS OF THE AUTOMATED SUPPORT OF THE RAILWAY
INFRASTRUCTURE OBJECT-RELATED DOCUMENTATION**

The article characterizes the methods of the specialized software tools employment for creating the complex railway infrastructure object-related documentation and evidence. It also deals with some general aspects of this procedure in respect of ČD economics as well as the relation to the other software-assisted projects under realization at ČD.



RNDr. Jaroslav Pazdziora

**VYUŽITÍ GEOINFORMAČNÍCH SYSTÉMŮ V DOPRAVĚ
EMPLOYMENT OF THE GEOINFORMATION SYSTEMS IN TRANSPORT**

The paper informs on the employment of specialized software products in ČD infrastructure management which enable detailed graphical presentation of the particular railway network elements in various displaying levels and a model work with data over displayed elements including necessary aggregations and comparisons.

Ing. Luboš Toušek – Ing. Jaromír Hrubý - Ivo Škvařil – Ing. Jaroslav Kačmařík

**NOVÉ INFORMAČNÍ SYSTÉMY V ELEKTROTECHNICE A ENERGETICE NA
ŽELEZNICI
NEW INFORMATION SYSTEMS IN RAILWAY ELECTROTECHNICS AND POWER
ENGINEERING**

The paper gives an outline of the main applications of computer art and control engineering within the electrotechnical and power engineering branch of ČD as used both for centralized control of railway power facilities and for operational, technical and economic works. Basic functional, technical and program structure of the systems is described together with main areas of their use and conditions for their further development with a goal to create an integrated operational and technical information system for control and management within the railway infrastructure.

Ing. Josef Bernard

**TELEKOMUNIKAČNÍ TECHNOLOGIE U ČESKÝCH DRAH A JEJÍ VYUŽITÍ
V HLAVNÍCH APLIKACÍCH ČD
TELECOMMUNICATION TECHNOLOGY AT CZECH RAILWAYS AND ITS
EMPLOYMENT IN ČD MAIN APPLICATIONS**

The concepts "Telecommunication technology at Czech Railways" and "Employment of these technologies in ČD main applications" cover a number of topics. The paper gives an outline of particular areas and characterizes the activities which have been or which should be carried out at the ČD.

The communication technologies undergo an intense development and provide new possibilities and tasks. The paper presents some of them: the influence of applications upon the networks development and new possibilities of network-accessible applications; interconnection of ČD networks with the public and international networks together with related problems of security concerning both network and information protection; providing of information to the external users;



WWW technology at the ČD; influence of the telecommunication technology upon the organisation structure.

Ing. Petr Červinka

**MEZINÁRODNÍ VAZBY INFORMAČNÍCH SYSTÉMŮ EVROPSKÝCH ŽELEZNIC
INTERNATIONAL INTERCONNECTIONS BETWEEN INFORMATION SYSTEMS
OF EUROPEAN RAILWAYS**

The material is an overview of present and next future interconnection between information systems of European railways. The main applications of international informatics for passenger and freight traffic are described here shortly. The paper focuses also on the communication and transmission system Hermes. The present and planned connection of ČD information systems to the international data exchange is explained.