This year the event was organized from November 29 to 30, 2004 at the headquarters of Magyar Telekom, on the 113th anniversary of the Institute's foundation. The central topic of the conference was „Preparation for the application of new technologies". The Scientific Days aroused keen interest; the number of participants attending the lectures amounted to 390.

The conference was opened by Attila Koós, Director and Zoltán Tankó, Chief Officer.
Kálmán Kovács, Minister of Information Technology and Communications analyzed the dilemmas of competition encountered in the era of converging services. In his lecture he emphasized the major role PKI plays at national level in creating the possibilities needed for the interoperation of various technologies and services. Talking about the Research & Development strategy of the government as well as about framed and planned Acts of the Parliament, Chairman of the National Research and Technology Office Miklós Boda informed those present that the submitted applications in the area of information technology were successful, and the Institute also was among the winners as member of a consortium. In his lecture Peter Janeck, Chief Technical Officer pointed out that tasks connected with future-proofness represented a domain covering one of PKI's main duties.

In 2004 innovation, development and applied research became highlighted issues at national level, and this trend had an impact on the selection of lectures delivered in the course of PKI Days as well. The event was a forum where a number of IT applications and the wide range of telecommunications services were offered. In the first section on the first day the representatives of the government in the domain of telecommunications, information technology and technical development outlined their concepts.

Further lectures given in various sections dealt with – among other themes – research targets and trends of the future, possibilities of extending the range of offered services, the implementation of broadband entertainment services, the possible trend of NGN as well as the principles of security and traffic dimensioning.
Employees of the Institute reported on results achieved while preparing the ground for the introduction of new technologies, including the implementation of broadband access and various attractive services. In connection with tasks to be performed by PKI the invited lecturers talked about theoretical novelties and new achievements that can be realized with IT tools in the area of data security and the protection of transmission. Our guests coming from the industry contributed to the discussion of problems concerning efforts aiming at widening the scope of utilization of Ethernet technology. We could see that the developments of PKI covered those areas where other researchers or industrial enterprises seek solutions.

Lectures delivered during the conference showed better than ever that the convergence of different transmission modes and services was going to become a reality in our days. In his closing speech Attila Koós, Director of the Institute emphasized the ambition of all service providers to offer voice, data and program service on their own respective fixed, mobile, cable or program broadcasting network; in this respect we can be confident since PKI has the capabilities that enable Magyar Telekom to be a successful player in this competition.