

## **LOCAL AREA NETWORK**

To get ready for candidate examination I have chosen the book by James Martin «Local Area Network. Architectures and Implementations».

The need to communicate — to send messages, to share data, to access computing resources, to share expensive peripheral devices — has contributed to the development and spread of local area networks.

The local area network changed the desktop computer from an isolated machine into a rich environment with a wealth of information and resources that the knowledge worker could access.

Local area networks must be able to connect a wide variety of hardware and software products in a single network, without having to build complex and costly interfaces for different products. To facilitate this compatibility, various national and international standards organizations and computer and network vendors have developed network architectures that allow a variety of equipment to be connected together in a network.

In this book the author presents an explanation of the concepts that underlie local area network technology. The author examines in detail key local area network standards being developed by standards organizations. Finally, the author discusses several local area network implementations, examining how their architectures reflect both formally published standards and the development of de facto standards and in what ways and to what levels compatibility is achieved.

I consider this book to be very useful for my scientific investigation because it is intended for:

- Information systems and communications managers and technical staff members who maintain and administer computer networks and who need a thorough understanding of networking technology;
- Information systems and communications technical staff members who select, install, and support network hardware and software products and who deal with the complexities of multi-vendor networking;

- Users of network services who desire an understanding of the technology behind the computer communication tools used it in their work environment;
- Students are studying computer communications technologies.

I have taken this book because my scientific work is connected with Distant Education. This work is based on information communications technologies. These technologies can be used with the help of local and global networks.

**E. M. Сартанова**

### **A MODEL OF SELF-AWARENESS**

Alain Morin, Mount Royal College, AB, Canada, presents his model of self-awareness in his article "A neuro-socio-cognitive model of self-awareness with an emphasis on inner speech". He proposes the existence of three sources of self-information: the social environment, the physical world and the self.

The social milieu includes self-relevant feedback that the individual receives from other persons, a social comparison mechanism leading to perspective taking, and the presence of other persons observing the self. The social environment represents a rich source of self-information and can in different ways initiate self-focus.

The physical environment contains self-focusing/reflecting stimuli such as mirrors and video cameras. It contains stimuli that can, like audiences, remind the person of his or her object status. These stimuli can be conceived of as self-reflecting devices. Looking at oneself in the mirror or seeing oneself on video provide us with important information about the public self-facial features and expressions, tone of voice, body height and weight, etc. Another set of physical stimuli that can produce self-awareness is written material found in books and articles, the media, the internet, radio, CD's, and movies.