

SUMMARY

Dissertation titled. *Systemic manipulator of motionless support as an element of increasing personal security* led to knowledge of the essence of personal security, its dimensioning and organization for the needs of disabled people in states of motionlessness, as well as to the detection of relationships and dependencies between the level of theoretical assumptions and preparations, and the effectiveness and efficiency of applied solutions.

The subject of the research was the issue of the sense of security of people with mobility disability and the possibility of support by means of a specially developed manipulator with systemic features.

The theoretical aim was to identify ways of understanding personal safety, its dimensioning and organisation of behaviours, for the needs of disabled people in states of mobility impotence. *The practical goal* was associated with the need to determine changes and possibilities to support personal safety of people with mobility limitations, through a specially developed manipulator with systemic features.

The main research problem of this dissertation is the following question: *What should be the features of a systemic manipulator to support mobility in order to be an important element of increasing personal safety?*

Based on the state of knowledge, literature analysis, as well as predicted changes, *the main hypothesis* was formulated: *The actual state of understanding personal security, its dimensioning, and the organisation of behaviours for the needs of people in states of mobility impotence are insufficient, and its optimization is possible, among other things, with the use of a specially developed manipulator with systemic features.*

In addition to the methodological introduction, the work consists of five substantive parts, one of which entitled: *Essence and understanding of security*; it contains the analysis of the conceptual and definitional understanding of security, the characteristics and attributes of this phenomenon as well as the issues of social security and health.

The chapter *Personal security and its dimensions* describes personal security. It presents the result of the analysis of basic concepts describing the security of the individual and the community.

Part Four *Health Risk and Inactivity Profiles* defines selected health challenges and health risks from a social and personal perspective. There are also indicated ways to neutralize the above mentioned.

The fifth chapter, titled *Domains and Methods of Organizing Patient Safety*, situates such protection in the context of healthcare policy, healthcare security organization, and access to healthcare services in Poland. In this chapter, there have also been taken into account the importance of risk management, human factors, and the activities of patient organizations in providing this protection.

The sixth chapter, titled *Postulative Model of Mobility Impairment Support*, contains a description and evaluation of a prototype manipulator adapted to the needs of individuals with mobility dysfunction.

The work was completed by an appropriate summary, appendices, including a questionnaire of the survey and expert interviews with photos, question lists of expert interviews, photographs of the manipulator prototype and documentation confirming the grant of a patent and industrial design.