

# **THE INTERVAL AND FUZZY ANALYSIS OF THE HUMAN PELVIC BONE**

Summary – Numerical modeling of the human pelvic bone is a complex process in which many important factors are taken into account. One of them concerns material properties. Numerical calculations require the characteristics of the material properties and the material parameters from the beginning. The material properties of the living body depend on age, health, gender, environment and many others factors. To determine correct material parameters, health details of a group of patients need to be taken into consideration. In this paper authors assumed interval and fuzzy values of the selected material parameters and proposed interval and fuzzy analysis of the pelvic bone.