Abstracts:

Language and thinking have often been seen as the major human characteristics. This is why it is important to study their interaction in human cognition and information processing. Technology design is one of the most important social thought processes today. This is why this context provides us with a good context to study interrelations of these two aspects of human mind. In this paper, some major theoretical problems such as how language supports thinking, explication of ideas and specific language games, will be outlines from cognitive scientific point of view.

Obviously, a number of important problems arise from thinking connections of language and thought in design processes. How design oriented vocabularies have developed, how new words effect on thinking, do experts have same meanings than novices and how the meanings differ from each other, what is the relation of concepts and words, how does use of native language vs, foreign language effect on design thinking. All these questions enable us to rethink the relation of language and thinking.

Design processes are based on learned skills, therefore investigation into design thinking provide us with information on development language and thinking as the consequence of life-long learning. This kind of research provide us also knowledge about domains specific linguistic and cognitive expertise in investigating thinking.

In sum, in this paper the basic concepts of research to design thinking and design languages shall be discussed.