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IDENTIFYING FACTORS AND TRENDS WHICH MIGHT INFLUENCE PHYSICAL CHARACTERISTICS OF INTERIOR ENVIRONMENT FOR FUTURE HOUSING. Lee,Y,S.*, Lee,.S.M., Lee,S.J., Departmen of Housing and Interior Design, Yonsei University, Seoul,120-749,
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Attempting to create an optimal interior environment which will meet human needs in the highly technological society through innovative design interventon has been the ultimate challenge for interior designers.

To achieve that goal, first, the designers need to build a sound knowledge system as a support for intervention. Second, they have to be able to picture the future society in advance and propose a creative design model which will fit the social environment in the future. An ability to predict and picture the future is essential in order for a designer to play an important role in the coming society. This ability can be improved through a sound theoretical base and systematic research.

The purpose of this research is to analyze factors and describe trends which might influence interior environment in future housing, and thereby, to provide designers with a solid background to cope with a coming society.

Through an extensive review of literature, factors and trends were identified. Literature includes books, articles in professional academic journals, magazines and newspaper articles. Various computer data bases were used.

The factors are classified according to two criteria: Macro and micro, and soft-ware and hard-ware oriented, thereby were classified into four dimensions; scientific and technological aspects (which is a macro and hard-ware oriented dimension), social aspects (which is a macro and soft-ware oriented dimension), human aspects (which is a micro and soft-ware oriented dimension) and architectural aspects (which is a micro and hard-ware oriented dimension). Major factors and trends were identified and analyzed which will provide a solid background for designers to develop future residential design.

Based upon the factors and trend analysis, the researchers selected five critical points of time for Korean housing in the twenty-first century, and generated interior design guidelines; they are 2000, 2005, 2010, 2030 and 2050. Using those guidelines, five interiors of a future housing pavilion were designed and actually constructed last May 1995.

Computer generated images and constructed interior photographs will be presented. This presentation shows the linkages between research and practice in applied science