

Age-Adaptive Human Computer Interaction

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The age of a computer user needs to be taken seriously into consideration during the process of designing human computer interaction systems. Ideally the interface of computer systems should be adapted automatically according to the age of a user catering in that way for the specialized needs of persons belonging to different age groups. With our work we introduce the application domains of age adaptive interfaces and specify the main problems encountered in designing automatic age-adaptive interfaces. We also describe how static and dynamic facial features can be used for automatically estimating the age of a user, facilitating in that way the design of age adaptive interfaces.