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Information technology — Affective computing user interface (AUI) —

Part 2: Affective characteristics

Technologies de l'information — Interface pour la reconnaissance et la simulation des émotions (AUI) —

Partie 2: Caractéristiques de reconnaissance et de simulation des émotions

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Foreword

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Introduction

Affective computing builds a harmonious human-computer environment by enabling computing systems to recognize, interpret, and simulate human affects. Affective applications promise new insights into what people are feeling and can better serve their needs. It is important to consider affective characteristics of humans in the design and presentation of affective computing user interface (AUI).

Limitations on affective computing include diverse affective characteristics currently used and the way to interpret and identify these affective characteristics. A general and systematic technical report is needed to identify and distinguish different affective characteristics in different levels within human-computer interaction regarding usability and accessibility.

This document identifies a range of affective characteristics that are designed for development of affective computing. This can be a general principle for affective computing user interface. It also provides references to the selection of specific characteristics of particular interest, and to the identification of affective characteristics in affective computing user interface (AUI).

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Information technology — Affective computing user interface (AUI) —

Part 2:
Affective characteristics

1 Scope

This document identifies the affective characteristics for affective computing user interface (AUI), including universal, cultural, individual and situational issues relating to the affective needs of users. This document also describes the selection criteria of these affective characteristics, and the methods to identify or apply them.

This document focuses on developers of affective computing user interfaces who want to meet the needs of users.

This document does not specify the implementation of affective computing.

2 Normative reference

There are no normative references in this document.

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