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Preface

In the evolution of computers, software has always lagged behind hardware. Microcomputing joined to telecommunications is generating at a dazzling speed new paradigms in social communication through computers. However, interactive design is still governed by static communication models, especially with text. In the current creative process of content for interactive communication with these computers, for instance, the computer animation, educational video, radial publicity, etc., usually starts with pencil and paper.

Thus, in the new millennium with new information and communication techniques, human beings constantly return to the early stages of writing. It is here that the wit and creativity of the fundamental structures of new content must draw powerfully the attention of millions of potential users in the least possible time, among different cultures and mindsets. This is why the content of these works must have a minimal triad of quality attributes, i.e., originality, simplicity, and universality.

The second decade of the new millennium is laying the foundations of new ways of working which were already tested at the end of the twentieth century and early twenty-first century. The results were very positive, along with the team work for three-dimensional design of industrial components, for instance; work that can be performed from home (telework) and with members of the group scattered all around the planet. This simple example of interactive design on-line, which formerly was seldom used, is today the common denominator for this kind of computer-made activity.

Interactive design and the human factors are key in the development of the current interactive hypermedia systems. In the era of expansion of interactive communicability, it is important to have a compass to advance steadily in the right direction. An advance that must be shared by all the participants in the generation of new interactive systems of microcomputing, such as multimedia phones, e-books, PC tablets, videogames, etc. These interactive products of the new millennium are based on the functional balance of computer science, electronics, and telecommunications.

A balance that must be shared by everyone involved in the design, planning, production, implementation, quality control, the correction of eventual mistakes, and in the attention to the potential users and/or clients, etc. Each individual who participates in the stages of the evolution of the product and/or service makes up the source of the human factors. That is, factors which sometimes are invisible but are vital for the success or the failure of new services and products.

As a rule, these novel products and/or services entail a long time of research and development. Knowing the human factors and software tools, improving the design of the interactive systems, increasing ergonomics, etc. are basic tasks to

avoid agents that slow down or make it difficult to reach the maximum levels of quality, in the least possible time and with the lowest cost.

The Program Committee of the Second International Conference on Advances in New Technologies, Interactive Interfaces and Communicability (ADNTIIC 2011) consisted of Albert, C. (Spain), Anderson, S. (USA), Barazzetti, L. (Italy), Bleecker, J. (USA), Bonanno, P. (Malta), Bonilla, L. (Costa Rica), Buzzi, M. (Italy), Cáceres-Díaz, A. (Puerto Rico), Carré, J. (Curaçao), Casas, S. (Argentina), Chih-Fang, H. (Taiwan), Chorianopoulos, K. (Greece), Cipolla-Ficarra, M. (Italy and Spain), Colorado, A. (Spain), Brie, M. (Malta), Dalmasso, M. (Argentina), Darmawan, R. (Indonesia), Demirors, O. (Turkey), Edison, D. (Canada), El Sadik, A. (Canada), Fekonja Peklaj, U. (Slovenia), Fidelibus, M. (Argentina), Fotouhi, F. (USA), Flores, S. (Spain), Fulton, P. (Canada), Garrido-Lora, M. (Spain), Griffith, S. (Jamaica), Grosky, W. (USA), Guarinos-Galán, V. (Spain), Hadad, G. (Argentina), Ilavarasan, V. (India), Imaz, M. (UK), Jen, W. (Taiwan), Kammüller, F. (UK), Kratky, A. (USA), Kirakowski, J. (Ireland), Lau, F. (China), Lebrón-Vázquez, M. (Puerto Rico), Liudmila, P. (Russia), Marcos, C. (Argentina), Milrad, M. (Sweden), Moreno, I. (Spain), Mori, G. (Italy), Možina, K. (Slovenia), Pargman, D. (Sweden), Ramirez-Alvarado, M. (Spain), Read, T. (Spain), Salvendy, G. (China), Scolnik, H. (Argentina), Silva-Salmerón, J. (Canada), Stanchev, P. (USA), Styliaras, G. (Greece), Tamai, T. (Japan), Varela, L. (France), Verber, D. (Slovenia), Veltman, K. (The Netherlands), Vidal, G. (Argentina), Vilches-López, I. (Spain), who supported the preparation of the conference.

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November 2011

Francisco V. Cipolla-Ficarra

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