E-CIDADANIA: SYSTEMS AND METHODS FOR THE CONSTITUTION OF A CULTURE MEDIATED BY INFORMATION AND COMMUNICATION TECHNOLOGY

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In the Brazilian society, we face a situation characterized by enormous differences with regard to socio-economics, culture, geographical region as well as access to technology and knowledge. The big challenge of Computer Science to change this reality lies in the search for methods and systems design that provide access and make sense to the users’ community, thus supporting the formation of a digital culture that respects the diversity in our society. This research investigates and proposes solutions for interaction models and interfaces for the diversity of users and competencies that constitute the scenario of the digitally excluded people in our society. In general terms, the project proposed aims at studying and proposing solutions to the challenges of interaction and user interface design for systems in the context of citizenship practice. To reach this goal, the research team develops joint actions with a partner institution (network Jovem.com and communities around it) to conduct interaction and interface design of a pilot system to be implemented in the target community. Making available systems that make sense to and are accessible by the citizen – and thus also bring benefits for society as a whole – requires a socio-technical vision of the problem. Therefore, for this research we propose to use the frame of reference of Organizational Semiotics articulated with principles of Universal Design or Design for All. The contribution of this project lies in the advance of research in the area of (inclusive and universal) interfaces tailorable to users’ diversity of competencies as well as in the creation of applications that actually make sense to the target community (i.e. constitution of inclusive social networks and e-citizenship).

Overview of e-Cidadania Project activities in a time-line:
http://www.nied.unicamp.br/ecidadania
MAIN RESULTS

RECENT PAPERS ACCEPTED FOR PUBLICATION IN SCIENTIFIC JOURNALS


Hornung H, Baranauskas MCC. Towards a design rationale for inclusive eGov services. Accepted for publication in the *International Journal of Electronic Government Research*, 201x.

Neris VPA, Almeida LD, Miranda LC, Hayashi EC, Baranauskas MCC. Collective construction of meaning and system for an inclusive social network. Accepted for publication in the *International Journal of Information Systems and Social Change*. ISSN: 1941-868X.

Romani R, Baranauskas MCC. GWIDO – Games with interaction design objective. Accepted for publication in the *IADIS International Journal on WWW/Internet*.

SOME RECENT PAPERS IN INTERNATIONAL CONFERENCES PROCEEDINGS


MSC DISSERTATIONS AND PHD THESES

Santana VF. Identificação de padrões de utilização da web mediada por tecnologias assistivas. MSc dissertation. Institute of Computing, Unicamp. April 8th, 2009 (Capes scholarship).

Hayashi ECS. Estudo e proposta de ferramentas de comunicação e expressão em redes sociais inclusivas online. MSc dissertation. Institute of Computing, Unicamp. March 12th, 2010 (Capes scholarship).

Fortuna FJ. Normas no desenvolvimento de ambientes web inclusivos e flexíveis. MSc dissertation. Institute of Computing, Unicamp. May 14th, 2010. (MSR-FAPESP scholarship)


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