

2012 Brazilian Symposium on Collaborative Systems

SBSC 2012

Table of Contents

Message from the Program Committee

Chairs.....	viii
Organizing Committee.....	x
Sociedade Brasileira de Computação (SBC).....	xii

Session 1: Computer-Supported Communication

Text Recognition for Concept Maps Construction in Collaborative Environments	1
<i>Thereza P.P. Padilha and Adriana N. Lacerda</i>	
A Communication Infrastructure for Collaboration in Mobile Social Networks	7
<i>Rômulo de Carvalho Batista and Francisco José da Silva e Silva</i>	
An Approach to Improve the Empathy of Text Interactions in Collaborative Systems	11
<i>Methanias Colaço Júnior, Janisson Gois de Souza, and Carlos Alberto Gonçalves</i>	
An Approach to Support Algorithms Learning Using Virtual Worlds	16
<i>Nilmara Salgado and Thaís Castro</i>	
Analysis of Security Messages Posted on Twitter	20
<i>Luiz Arthur F. Santos, Rodrigo Campiolo, Marco Aurélio Gerosa, and Daniel Macêdo Batista</i>	
A Taxonomy of Computer Mediated Conversation	29
<i>Leandro Dantas Calvão, Mariano Pimentel, Hugo Fuks, and Marco Aurélio Gerosa</i>	

Session 2: Collaboration Based on Things

Sanar: A Collaborative Environment to Support Knowledge Sharing with Medical Artifacts	35
<i>Albert Moreira, Vaninha Vieira, and Jose Crespo del Arco</i>	
Virtual Caregiver: A System for Supporting Collaboration in Elderly Monitoring	43
<i>Wallace Ugulino, Márcio Ferreira, Eduardo Velloso, and Hugo Fuks</i>	

Exploring a Brain Controlled Interface for Emotional Awareness	49
<i>Mauro C. Pichiliani, Celso Massaki Hirata, and Tania Fraga</i>	
Music Spectrum: A Collaborative Immersion Musical System for Children with Autism	53
<i>David Lima and Thais Castro</i>	
Classroom Experience: A Platform for Multimedia Capture and Access in Instrumented Educational Environments	59
<i>Hiran Nonato M. Ferreira, Rafael Dias Araújo, Sandra A. de Amo, and Renan G. Cattelan</i>	

Session 3: Virtual Communities

Newcomers Withdrawal in Open Source Software Projects: Analysis of Hadoop Common Project	65
<i>Igor Steinmacher, Igor S. Wiese, Ana Paula Chaves, and Marco Aurélio Gerosa</i>	
Information Visualization in Political Discussions	75
<i>Rafael Lage Tavares, Mariano Pimentel, and Renata Mendes de Araujo</i>	
An Exploratory Study on the Use of Collaborative Riding Based on Gamification as a Support to Public Transportation	84
<i>Vaninha Vieira, Adriano Fialho, Victor Martinez, Jailson Brito, Lincoln Brito, and Adolfo Duran</i>	
A Collective Intelligence Based System for Visualizing Problems in Public Roads	94
<i>Marcelo Koti Nishi, Ana Paula Chaves, and Igor Steinmacher</i>	

Session 4: Context and Collaboration Modeling

Evaluation of an Approach for Distributed Cooperative Reasoning of Global Context States	99
<i>Alexandre Skyrme and Markus Endler</i>	
Prediction of Developer Participation in Issues of Open Source Projects	109
<i>André Luis Schwerz, Rafael Liberato, Igor Scaliante Wiese, Igor Steinmacher, Marco Aurélio Gerosa, and João Eduardo Ferreira</i>	
Social Presence in Collective Writing Environments: An Analysis of Wikispaces	115
<i>Patrícia B.S. Bassani, Débora N.F. Barbosa, Lucas Sauter, and Viviane A. Silva</i>	
May Social Behavior Reveal Preferences on Different Contexts? Recommending Movie Titles Based on Tweets	121
<i>Frank Helbert Borsato and Ivanilton Polato</i>	
An Overview of Evaluation Methods for Collaborative Systems	127
<i>Natália Sales Santos, Lidia Silva Ferreira, and Raquel Oliveira Prates</i>	

Comparing Knowledge Codification Approaches: An Empirical Study	136
<i>Jacilane Rabelo, Davi Viana, Tayana Conte, and Gleison Santos</i>	

Session 5: Social Networks Analysis

Using Social Analytics for Studying Work-Networks: A Novel, Initial Approach	146
<i>Rogério A. de Paula, Ana Paula Appel, Claudio S. Pinhanez, Victor F. Cavalcante, and Carolina S. Andrade</i>	
Analysis of a Social Network as a Knowledge Management Tool	154
<i>Ricardo A. Costa and Silvio R.L. Meira</i>	
Domain Analysis for Mechanism of Awareness in Social Networking in the Web 2.0	163
<i>Vinícius Barbosa de Souza and Lucas Santos de Oliveira</i>	
T-SWEETS: An Alternative to the Stimulus Collaboration from Trust Inference in Social Networks	168
<i>Edeilson Milhomem Silva, Diego Oliveira Rodrigues, Jackson Gomes de Souza, Ana Carolina Salgado, and Silvio Romero Lemos Meira</i>	
A System to Capture and Generation of Traffic Information from Posted Messages on Social Networks	174
<i>Elisa H.M. Huzita, Tainan G.F. de Souza, and Yan H. Kabuki</i>	
Author Index	181