

Table of Contents

Collaborative Problem Solving

CollPhoto: A Paper + Smartphone Problem Solving Environment for Science and Engineering Lectures	1
<i>Claudio Alvarez, Marcelo Milrad, Francisco Borie, and Martín Luna</i>	

The Use of a Maverick in Collaborative Problem Solving: Investigating the Implicit and Explicit Process	16
<i>Yugo Hayashi and Kazuaki Kojima</i>	

Knowledge Work and CSCW Tasks

Topic-by-Topic Activity Estimation for Knowledge Work Lifelog	29
<i>Masayuki Okamoto</i>	

The Use of Token-Based Protocols in CSCW Tasks – An Empirical Examination	40
<i>Christopher G. Harris</i>	

Effects of Gamification on Electronic Brainstorming Systems	54
<i>Takaya Yuzono, Quinzhe Xing, and Hiroaki Furukawa</i>	

Co-Dining Support

Difference between Standing and Seated Conversation over Meal toward Better Communication Support	62
<i>Yasuhito Noguchi and Tomoo Inoue</i>	

Study of Face-to-Face Dyadic Conversation Behavior on Uneven Meal Distribution Setting for Designing an Attentive Listening Agent	77
<i>Hiromi Hanawa and Tomoo Inoue</i>	

Augmented Reality and Robot

A Study of Changing Locations of Vibrotactile Perception on a Forearm by Visual Stimulation	86
<i>Arinobu Nizjima and Takefumi Ogawa</i>	

Comparing Video, Avatar, and Robot Mediated Communication: Pros and Cons of Embodiment	96
<i>Kazuaki Tanaka, Hideyuki Nakanishi, and Hiroshi Ishiguro</i>	

Interacting with 3D Model on Tabletop and Mobile Paper Projection ...	111
<i>Yusuke Takeuchi and Masanori Sugimoto</i>	
Creating Interactive Flexible Surfaces with Origami Tessellations.....	119
<i>Kentaro Go, Yuichiro Kinoshita, Kohei Kaneko, and Reiji Kozono</i>	
 Learning Support Systems	
Multilevel Analysis of Collaborative Activities Based on a Mobile Learning Scenario for Real Classrooms	127
<i>Irene-Angelica Chounta, Adam Giemza, and Heinz Ulrich Hoppe</i>	
Collaborative Search Research in College Computer Courses	143
<i>Addison Y.S. Su, Chester S.J. Huang, T.-J. Ding, Angus F.M. Huang, Stephen J.H. Yang, and Y.-Z. Hsieh</i>	
TUtor Collaborator Using Multi-Agent System	153
<i>Márcio Alencar and José Francisco Netto</i>	
 Author Index	 161