

***Abstract: Task-Oriented Tourist Information Service for Mobile Users based on Generic Task Model and Task Ontology***

Heum Park<sup>1</sup>, Aesun Yoon<sup>2</sup> and Hyuk-Chul Kwon<sup>3\*</sup>

*<sup>1</sup>Center for U-Port IT Research and Education, <sup>2</sup>Department of French, and <sup>3</sup>School of Computer Science and Engineering, Pusan National University  
{<sup>1</sup>parkheum, <sup>2</sup>asyoon, <sup>3</sup>hckwon}@pusan.ac.kr*

**Abstract**

This paper presents a task-oriented tourist information service based on generic task model and task ontology for mobile users. For that service system, we considered the construction of a generic task model and task ontology based on mobile users' generic activities for a task-oriented tourist information service. Thus, we introduce a generic task model with generic tasks and task processes based on travelers' activities, a task ontology with them, and Task-Oriented Tourist Information Service (TOTIS). Using the generic task model and the task ontology, a task-oriented menu can be constructed automatically by means simply users' selections. Thus, the TOTIS can facilitate more flexible searching of tourist information and make real-time determinations.

**Acknowledgement**

This work was supported by the Korea Science and Engineering Foundation (KOSEF) grant funded by the Korea government (MOST) (No. 2011-0027460).