

# Toward Seamless Language Learning: How Can We Incorporate In-Class Learning with Outside-Class Learning?

Noriko UOSAKI

*Dept. of Information Science and Intelligent Systems*  
*Faculty of Engineering, The University of Tokushima, Japan*  
[n.uosaki@gmail.com](mailto:n.uosaki@gmail.com)

## Introduction

In this talk, the focus is how we can incorporate in-class formal learning with outside-class self-learning for the realization of seamless learning. As a possible solution, we will propose our ongoing system called SMALL system.

## 4. Seamless Learning

In this talk, by seamless learning, we mean learning which occurs with seamless transitions between in-class and outside-class learning. There is a related notion called ‘cyclic model of learning’, where ‘class’ means not only learning in-class but also learning outside-class allowing teachers to incorporate students’ self-learning into in-class learning. These two ideas share the same concept that learning can occur wherever they are and that both in-class and outside-class learning links each other. This concept is critical for English education in Japan since it has been pointed out that learning time of English at school is not sufficient.

## 5. SMALL System (Seamless Mobile-Assisted Language Learning Support System)

This system makes outside-class learning connected to in-class learning. It is likely that people learn but forget soon. Therefore even though students learn new words in the textbook, they soon forget them. So the system let them aware that they have learned it before when they come across the same word in the different contents provided by the system (cf. Figure 1 & 2). When a student, Yusuke, registers new word, “including”, which he already learned in the textbook, then it is hyperlinked. If he clicks it, it jumps to the textbook page where it appears. The same system works when Yusuke and Miwa registered the same new word, “inspire”. We learn words from the context. The system provides the contexts to let them learn how the word is used, which leads to the effective vocabulary learning. With the help from the system, students can be aware of what they have learned before, and what other students are learning, and the teacher can grasp what the students are learning outside-class and incorporate students’ self-learning into classroom activities so that close link between in-class and out-class learning will be realized.

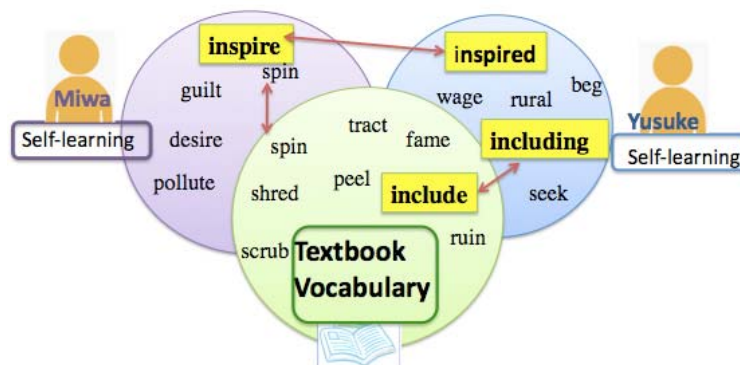


Figure 1 Link between in-class learning and outside learning

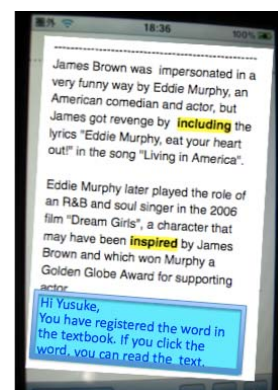


Figure 2 Mobile user interface while reading contents provided by the system