



## 2008 年度下期未踏 IT 人材発掘・育成事業 採択案件評価書

### 1. 担当PM

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### 2. 採択者氏名

チーフクリエイター: 劉 雪峰 (東京大学 大学院数理科学研究科 D3)  
コクリエイター: なし

### 3. プロジェクト管理組織

学校法人国際大学 (グローバル・コミュニケーション・センター)

### 4. 委託金支払額

4,008,000 円

### 5. テーマ名

A Cloud Computing-based Information Sharing System for Mobiles

### 6. 関連Webサイト

<http://xfliu.org/miss-project>

### 7. テーマ概要

Network is an information sharing system, which is expected to be drastically changed along with the emerging of cloud computing. In this project, we will show how to realize a complicate information sharing system

with a simple mobile device under the help of cloud computing. Although the developing cloud computing system may provide more new functions in the future which can realize this function more easily, we will still use the widely-existing but more powerful email system provided by cloud computing system in a new way to do this job more securely and flexibly. By using our novel system to be finished, the mobile users with even low-end mobile can easily share his photos with his friends and can publish a blog, wherever he is.

## 8. 採択理由

Again there is a common theme in a number of current proposals as well as past efforts that suggests an opportunity for inter-project co-operation that would benefit each of the efforts as well as the overall effort.

## 9. 開発目標

With the main object of the project was to create an easy-to-use tool for people to share information with each other, the project is also aimed to supply the service for large-scale users and the user capacity is under full consideration in the design of each module. Also, efforts have been paid to make sure the stability and security of the platform. The goal of the project, named "MISS" was to create four modules:

1. Email server: To receive email sent from mobile phones
2. Email fetching/parsing: To fetch the data inside the emails and file it with the MISS data center.
3. MISS data center: The data center with user interface to enable users to create, update and delete messages.
4. Message distribution: To publish the messages to target web sites.

## 10. 進捗概要

The project proceeded well and broadly on schedule. However the developer underestimated the work involved and one stage approximately two thirds of the way through the schedule requested additional help. In the end, the developer achieved most of the goals of the project and should be satisfied with the work done.

## 11. 成果

The novelty in this effort, besides the utilization of the cloud environment, is the use of e-mail as transport vehicle for moving various objects from the mobile world to the cloud environment. In some real way e-mail becomes the inter-process communication system for this application. The use of e-mail provides a flexible and potentially secure way of transporting the information across the Internet to the surface. E-mail can be queued and can be delivered when facilities become available. The system will run in almost any mobile environment from conventional data through 3G environments to WiFi and beyond.

Also the use of e-mail provides a system independent environment where mobile devices running a variety of operating systems can utilize the system.

## 12. プロジェクト評価

I believe this idea to be very good; one I would like to see turned into a commercial product. The developer intends to make public the documentation and ideas and will maintain the websites for a period of time.

The developer has, in essence, fulfilled all the goals set forth in the initial proposal in a workmanlike fashion. I believe that if they funding were available and interest on the part of the developer I would recommend an extension of the effort for a short period of time to allow him to wrap up some details.

## 13. 今後の課題

Further testing of plug-ins is required.