

# **A WEB-BASED SUMMER SCHOOL MANAGEMENT SYSTEM**

A dissertation submitted to The University of Manchester for the degree of Master of  
Science in the Faculty of Engineering and Physical Sciences

**2011**

**Wenjiang Xu**

**School of Computer Science**

## Abstract

Nowadays, web-based tools are in high demand and people are used to find information and do their daily work on the web. My project is to build a web-based application for managing a summer school. The administrators of a summer school handle a great deal of information such as details of students, teachers, programmes, etc. Furthermore, they need to arrange all the events and establish a schedule of activities, etc. This is time consuming and tedious without the use of computer-based tools.

The aim of the project is to develop a web-based application using the Java-based JavaServer Faces (JSF) framework. In addition, this tool will help the administrators of a summer school manage all aspects of the school easily and efficiently. For instance, it helps the administrator to view lists of students by different categories, to arrange events without conflict and to design more attractive and successful study programmes. It is also designed to allow visitors to find information about the school.