Division of Web Science and Technology

Introduction

Being the largest human information construct in history, the Web can be seen as the brain of the man kinds. One can find similarities between WebST and Brain Science and Engineering (BSC) as they both tackle complex network structures at different levels of abstraction and deal with data/information/knowledge flows internally as well as in conjunction with the surroundings. Yet WebST differs from Brain Science and Engineering because it interacts with completely autonomous and massively parallel human populations. A fundamental question for WebST lies in what ways the Web has to evolve to best serve human beings.

IT industry, a core growth power, moves its center of gravity from hardware to software and academia needs to comply with it by changing its educational paradigm and more focusing on software sector. In accordance with the initiative, the division of web science and technology has been established and financially sponsored by NRF. It mainly targets to perform world-class researches and nurture high-quality human resources in IT/software area.

Web Science and Technology (WebST) is a new emerging discipline that takes the Web as its primary object of study and engineering. Exploring the interactions among the complex technical, engineering, and social aspects of the Web, our graduate-level program rests on computing technologies to build and extend the Web, engineering techniques to develop large-scale applications, and analytical methodologies in order for understanding its nature and impacts on various aspects of human society.