

Abstract

New Accomplishments Using Voice Recognition for Captioning of Chemistry Videotapes Made During Regular F2F Courses.

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For the past nine years the Department of Chemistry, College of Science, Rochester Institute of Technology, Rochester, NY has offered distance learning (DL) courses in Chemistry as fundamental instruction for students in many college disciplines (engineering, information technology, environmental management, et.al). These courses use videotapes produced in a live class room situation (face-to-face: F2F). For hearing impaired students, it is imperative that these tapes be captioned. To post-caption tapes is tedious, time consuming and expensive. For the past five years the author and colleagues have been doing research in the use of existing voice-recognition technology and systems to provide instantaneous captioning of the aforementioned videotapes. Working under a grant from the Camille and Henry Dreyfus Foundation, Inc. (Dedicated to the advancement of the Chemical Sciences), and using Informational Technology students as members of the research groups, this project has reached a level of successful application, such that the proprietary work is now listed under "patent pending." This presentation will describe the successes accomplished and problems remaining, as well as future development plans.