

CREATING INTERACTION IN LARGE LECTURE GROUPS WITH A PERSONAL RESPONSE SYSTEM

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Abstract

Lectures for large groups end up easily as a one-directional presentation of the lecturer, because students may not dare to present their personal opinions or questions. A Personal Response System (PRS) can be used to enhance interaction and student activity by giving the students a possibility to interact with the lecturer anonymously. In this paper we describe how we have used multiple choice questions in different roles during a lecture. Questions can be used to increase the students' motivation, to guide their concentration, to enquire about their preferences, or to measure their knowledge in different phases of a lecture. Various issues relating to the practical implementation as well as the question design must be considered in order to utilize the system effectively. In our experience, with a little effort multiple choice questions and PRS can be utilized on several subjects in introductory computer science education.

Keywords

Computer science education, advanced classroom technology, large lecture groups, personal response system, multiple choice questions