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Using Augmented Reality to Enhance Doctor Patient Communication

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Abstract : This software system will be an Augmented Reality application designed to maximize the doctor's productivity by providing tools to assist in automating the patient recognition and updating patient's records using face and voice recognition features, which would otherwise have to be performed manually. By maximizing the doctor's work efficiency and production, the application will meet the doctor's needs while remaining easy to understand and use. More specifically, this application is designed to allow a doctor to manage his productive time in handling the patient without losing eye-contact with him and communicate with a group of other doctors for consultation, for in-place treatments through video streaming, as a video study. The system also contains a relational database containing a list of doctor, patient and display techniques.

Keywords : augmented reality, hand-held devices, head-mounted devices, marker based systems, speech recognition, face detection
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