知的画像処理（滝沢　穂高）
Intelligent Image Processing (TAKIZAWA Hotaka)

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画像処理技術の医用・福祉分野への応用

画像処理技術に基づく医用画像の計算機診断支援システムの開発や，視覚障がい者のための生活支援システムの開発などを行っています．具体的な研究テーマは下記の通りです．
１）Videofluorographyに基づく嚥下動態の解析と嚥下障害の解明 (Fig.1)
２）ＲＧＢ－Ｄセンサやスマートフォンを用いた視覚障がい者のための物体認識支援 (Fig.2)
画像処理技術と医用・福祉分野の境界領域に興味のある皆様はぜひご連絡ください．

Application of image processing technology to medical and welfare fields

In our laboratory, we are focusing on creating medical image processing systems and sensor-based welfare systems as follows:
  1) Analysis of swallowing and elucidation of dysphagia based on videofluorography (Fig.1)
  2) Development of assistive systems for the visually impaired based on RGB-D sensors and smartphones (Fig.2)
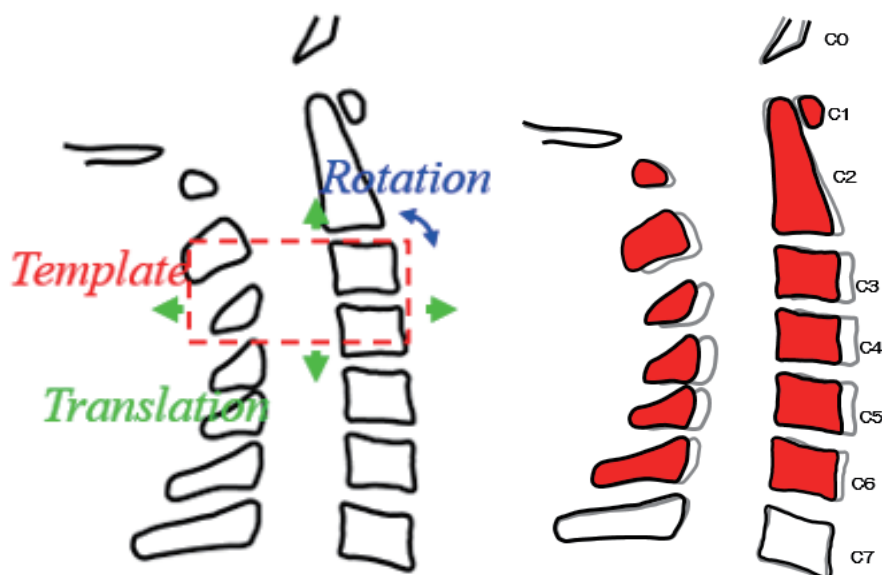Please contact us, if you are interested in these research themes.

Fig.1 Analysis of swallowing and elucidation of dysphagia.

Fig. 2 Assistive system for the visually impaired.