

Analysis and recognition of a surgeon's motions in laparoscopic cholecystectomy giving a scrub nurse robot suitable timings for instrument exchange [Electronic resource]

Ohnuma, K.; Nasamune, K.; Yoshimitsu, Kitaro; **Vain, Jüri**; Fukui, Y.; Miyawaki, F. Proceedings of the 3rd COE Workshop on Human Adaptive Mechatronics (HAM) : 3-4 March 2006, Tokyo Denki University, Japan 2006 / [5] p. [CD-ROM]

Neural network based system for real-time organ recognition by analysis of sequence of endoscopic images received during surgical operation

Artemtšuk, Igor; Petlenkov, Eduard; Miyawaki, F.; **Gladki, A.** BEC 2010 : 2010 12th Biennial Baltic Electronics Conference : proceedings of the 12th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 4-6, 2010, Tallinn, Estonia 2010 / p. 349-352 : ill

Restricted connectivity neural network structure for organ recognition by analysis of endoscopic images during surgical operation

Petlenkov, Eduard; Artemtšuk, Igor; Miyawaki, F.; Yoshimitsu, Kitaro BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 261-264 : ill