The 2nd International Symposium on Intelligent Assistance in Diagnosis of Multi-Dimensional Medical Images

July 2, 2006

Keizo Saji Memorial Hall, Osaka University Nakanoshima Center
Osaka (JAPAN)

Web sites: on the project   http://www.future-cad.org/fcad/index.htm
on the venue   http://www.onc.osaka-u.ac.jp/

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Admission and Proceedings : Completely free of charge

Advance Program

Opening address (9:00 – 9:10)   Shinichi Tamura (Osaka Univ.)

Session 1 (9:10   12:20)
The state of the art of CAD technology and its technical trends
                Chair : Shinichi Tamura (Osaka Univ.)
(9:10 – 10:00)
Image registration and its applications in computer aided diagnosis
                By Daniel Rueckert (Imperial College)
(10:00 – 10:50)
Evaluation of CAD system
                By Kunio Doi (Univ. of Chicago)

Coffee break (10:50 – 11:10)

(11:10 – 12:00)
National Alliance for Medical Image Computing
                By Ron Kikinis (Brigham & Women's Hospital
                        and Harvard Medical School)

Lunch break (12:00 – 13:30)

Session 2 (13:30 – 16:30)
Multi-organ, multi-disease CAD system
                Chair : Hidefumi Kobatake (TUAT)
(13:30 – 13:40)
Overview of the project on Multi-Organ, Multi-Disease CAD System
                By Hidefumi Kobatake (TUAT)
(13:40 – 14:00)
Computational modeling of anatomical structures
                By Yoshinobu Sato (Osaka Univ.)
(14:00 – 14:20)
Segmentation of abdominal organs based on digital atlas of human anatomy
                By Akinobu Shimizu (TUAT)
(14:20 – 14:40)
 Digital representation of diagnostic knowledge: Anatomic structures in human
 torso region
                By Hiroshi Fujita (Gifu Univ.)
(14:40 – 15:00)
 Digital representation of diagnostic knowledge: Multi-organ, multi-disease CAD using chest
 CT images
                By Yoshiki Kawata (Tokushima Univ.)

Coffee break (15:00 – 15:20)

(15:20 – 15:50)
 Navigation diagnosis and the platform of multi-organ, multi-disease CAD system
                By Kensaku Mori (Nagoya Univ.)
(15:50 – 16:10)
 Detection scenarios for multiple organ abnormalities
                By Shoji Kido (Yamaguchi Univ.
(16:10 – 16:30)
 General Discussions