Computer-aided detection of wall motion abnormalities in cardiac MRI

Suinesiaputra, A.

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CURRICULUM VITAE

Avan Suinesiaputra was born in Jakarta, Indonesia on 7 April 1974. After completing his pre-university education (SMA) at SMA Negeri 3 Bandung, he studied computer science at the Department of Informatics Engineering, Institut Teknologi Bandung, Indonesia, in 1992. In 1998, he completed his final bachelor project on texture segmentation with Gabor wavelet transform. After two years working as an assistant lecturer in the same institute, he arrived in the Netherlands to continue his study at the Section of Computational Science group, University of Amsterdam, in 2000. He finished his master of science in the computational science program *cum laude* in 2002. In his master studies, he finalized his thesis entitled "Multiscale optic flow analysis for magnetic resonance imaging" at the Department of Biomedical Engineering, Technische Universiteit Eindhoven. Starting in September 2002, he joined the Laboratory for Clinical and Experimental Image Processing (LKEB) at Leiden University Medical Center to work as a PhD student. His main topic of research was developing a novel method to integrate information in different cardiac MR protocols towards a one-stop shop cardiac MRI analysis. The results of his research are manifested in this thesis with the focus on building a computer-aided diagnosis method for cardiac MRI. Currently, he is still working at LKEB as a post-doctoral researcher. He is developing a 3D semi-automated vessel segmentation method from MR angiographic data. His main research interests include statistical shape modeling of medical data, morphometric analysis, probabilistic methods for computer-aided diagnosis, and model-based image analysis.

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