

A development of the software and hardware platform realization methodology for open CNC system

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STEP-NC as a new implementation in CAx chain for manufacturing technology to replace ISO 6983 or G-code and as key technology to the field of advanced manufacturing. An open architecture controller via Lab view is proposed. In this paper, the software and hardware platform are involved and tool path data exchange between interpreter and Lab view platform realization methodology for the CNC system is determined in the mode of "offline". An open CNC controller system is successfully integrated for 3-axis milling machine.

Biography

Yusri Yusof obtained his Masters of Advanced Manufacturing Technology from Universiti Teknologi Malaysia (UTM), in 2003 and a Bachelor in Mechanical and Manufacturing Engineering in 1997. He is now an Associate Professor and Dean of Mechanical and Manufacturing Engineering at the Universiti Tun Hussein Onn Malaysia (UTHM) Malaysia. He has experiences in the academic field as well as the industries. Dr. Yusri has multidisciplinary research interests and his main areas of research are CAD/CAM and STEP-NC. He has published several international technical papers, mainly in CAD/CAM and advanced manufacturing and served as a reviewer for a number of international conferences and currently involved in several international bodies such as, IACSIT, IAENG, WASET & WSEAS. He also nominated as an editor of the Journal of Engineering and Computer Innovations (JECI). He gives talk about Research Methodology and Exploring MS Word & Endnote and conducting a short course under CEC, UTHM. He has published more than 50 papers in reputed journals, proceedings and serving as an editorial board member of repute.

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