

Comparison of different designs of the FAST-mobile

Abdul Rauf

National University of Computer and Emerging Sciences
Lahore, PAK
abdulroufengg@gmail.com

Anjum Ali

National University of Computer and Emerging Sciences
Lahore, PAK
anjum.ali@nu.edu.pk

Abstract

This paper describes and compares the design of four models of the FAST-mobile. FAST-mobile is a Solar Transport Vehicle, or STV, designed and fabricated during different semesters by the electrical engineering students at the National University of Computer and Emerging Sciences, Lahore, Pakistan. Salient features of each model are given. Preliminary performance data is also included in this paper.

Keywords

Solar Transport Vehicle (STV), FAST-mobile.

Biographies

Abdul Rauf is doing his MS Electrical Engineering from National University of Computer and Emerging Sciences, Lahore, Pakistan. He has done his B.S. in Electrical Engineering from the same university in August 2014. He is currently serving as Research Officer and Assistant Editor at the research department along with his studies. His final year project has won three titles via competing in national level engineering project competitions. His research interests are in the areas of embedded systems, electronics and industrial process control. He also serves as the lead research engineer at the ConSenSys (Control, Sensing and Systems) Group at the university.

Anjum Ali completed his Ph.D. degree in August 1988 from the University of Alabama, Huntsville, Alabama, U.S.A. He has been teaching Electrical and Computer Engineering subjects since March 1978. His first teaching appointment, as a lecturer of Electrical Engineering, was at the University of Engineering and Technology (UET), Lahore, Pakistan, after winning gold medals in each of the last three years of his undergraduate engineering education. His teaching experience includes twelve years at Mercer University, Macon, Georgia, USA, and about nine years at three different universities in Saudi Arabia. He has also worked, as an associate professor, at the Lahore University of Management Sciences (LUMS), Lahore, Pakistan, from 1996 to 1998. He served as the chairman of the Electronics Engineering and Instrumentation Department at the Hail Community College (now University of Hail), Hail, Saudi Arabia, from February 2000 to June 2002. During his stay there, he developed a four-year degree program in Electrical Engineering for the University of Hail. Dr. Anjum Ali returned to Pakistan in July 2002, and joined Al-Khawarizmi Institute of Computer Science (KICS) at the University of Engineering and Technology, Lahore, as a professor in December 2002. During his stay at KICS, he initiated many research and development projects and won research grants. He has been a professor of Electrical Engineering at the National University of Computer and Emerging Sciences, (FAST-NU), Lahore, since May 2005. Dr. Anjum Ali has taught many EE, CE and CS courses and supervised numerous graduate as well as undergraduate students during his 38 years of teaching career. He has over 30 conference and journal publications. He is also the founding editor of the FAST-NU Research Journal. His areas of current research interest include embedded control systems and computer architecture.