

Engineering Education in the 21st Century: Malaysian Perspectives

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Abstract

Engineers in the 21st century are entering into a borderless world marked by rapid and global challenges, advancement in information technologies, dealing with complex problems and sustainability issues. Engineering schools today are facing challenges they have never faced before to produce graduates who are relevant in the 21st Century. Educating the engineers as usual will also not get us there. This paper briefly explores challenges in global engineering practice in the 21st Century. The status quo in engineering education from the Malaysian context will be presented. Based on numerous engineering education reports that have emerged from various parts of the world and local research in engineering education, the requirements as well as issues to overcome in educating engineers of the future will then be presented.