

# **Building Engineering Capacity Globally**

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## **ABSTRACT**

Engineering practice today is a globalized enterprise, and engineering education institutions have a challenge in preparing graduates well prepared to enter practice in that environment. Engineering education in developed countries is converging in format, content and approach in response to the needs of employers who are increasingly international in scope. Quality assurance systems for engineering education, primarily accreditation, are also converging internationally – providing the basis for cross-border mobility of engineering graduates. Developing countries and regions currently present a significantly different set of challenges and opportunities, as they struggle to develop a base of engineers in sufficient quantity and quality to be able to join the world economy, with its heavy concentration on technology. Technical capacity building efforts by organizations such as UNESCO, the World Federation of Engineering Organizations, and the Organization of American States are addressing the needs of developing countries for the enhancement of engineering education and its quality assurance.

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