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Physics Internationally From the Industrial Perspective

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Physicists traditionally get employed by academia, National Labs and industry. The investment of multi-national companies in R&D and manufacturing operations globally has been accelerating owing to availability of trained human resources and the economy of operation. This has created tremendous opportunities for candidates with global experience as opposed to a highly localized education. In the last decade, the investments made by Asian academic institutions in education and research has seen a significant increase creating opportunities for Graduate students and researchers alike in parts of the world other than US and Europe, the traditional destinations for students and researchers over the last several decades. Many Asian universities are hiring a diverse faculty from all over the world as opposed to hiring from local talent pools. Many of the Asian countries are focusing on creating local hitech economies by fostering global entrepreneurship programs. In my talk I will discuss this globalization phenomenon with specific examples from both academia and industry. I will also discuss strategies for academic institutions in terms of making the appropriate modification to their programs to deal with this inevitable evolution.