

Poetro Lebdo Sambegoro



Poetro Lebdo Sambegoro earned his bachelor's degree in 2006 in mechanical engineering with an emphasis in Energy Conversion from the Institut Teknologi Bandung, Indonesia. He was introduced to nanotechnology by his adviser, Professor Filino Harahap. Following graduation, he continued his research on natural convection from fin arrays.

Aware of the world's energy crisis, Poetro became increasingly compelled to learn more about renewable and clean energy. Born and raised in Indonesia, a tropical country where the sun shines year round, Poetro was particularly interested in utilizing the energy produced by the sun instead of relying primarily on fossil fuels.

Poetro's research fuses his interests in nanotechnology and solar energy. His work seeks solutions to the energy crisis; promotes economic growth; and addresses issues that constrain the use of photovoltaics as a main source of energy, particularly low efficiency and high costs.

Currently as an International Fulbright Science and Technology Award recipient, Poetro is a graduate student at MIT working in with a Nanoengineering group. While there, he has learned not only how to tailor material properties at the nanoscale, but to implement energy policy wisely. He feels blessed to have an opportunity to be in a wonderfully encouraging learning environment and hopes to transfer his knowledge to others.