

## PRESS RELEASE

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Massive Deaths in Developing Countries from Air Pollution now Being Addressed with Sustainable Biogas Technology

Solution to sustainability analysis featured at IEEE Green Technologies Conference sponsored by Oncor in April

Dallas, Texas, March 23, 2010. More than one and a half million people, largely women and children, die each year from using wood, dung, coal for household energy and cooking, according to world health authorities.

Now a young scientist has updated a little-known technology to help solve the problem first in Kenya, then in Latin American and the Caribbean, with an affordable Biogas Digester. Remarkable improvements allow the units to produce enough methane gas daily to run a household of eight from readily available animal and poultry waste as a fuel source. The difference from previous attempts which have tried to utilize such sources is the compact size, ease of construction, sustainability through easily available materials, low costs, and rapid installation via a pre-packaged system.

Justin Henriques, a National Science Foundation Graduate Research Fellow at the University of Virginia, will present his Biogas Digester as part of the IEEE Green Technologies conference at the luxurious Gaylord Texan Resort & Convention Center in Grapevine, Texas, April 15 - 16, 2010. The event is open to all interested professionals and students. Early registration has been extended to Thursday, April 1. Register to attend at the website, <http://www.ieeegreentech.org>

Henriques is a featured guest on the ScienceNews Radio Network program, *The Promise of Tomorrow*, where he explains the dire need for this solution among three billion of the world's population. The program can be heard archived at [www.PromiseOfTomorrow.biz](http://www.PromiseOfTomorrow.biz). The second half of that same program features Trung Nguyen, an engineer at Lockheed Martin, and Ron Boley, a math teacher at McLean Middle School in Fort Worth, Texas. Together they bring listeners up to date on the recent Future Cities competition held during National Engineers Week where Boley's students

traveled to Washington, D.C. This award winning team will also be featured presenters of their Green Cities design "Ngoc Vien Dong" (which literally means Jade of the Far East) at the Green Technologies conference in April.

Produced by the Institute of Electrical and Electronics Engineers (IEEE), the conference has high-level sponsorship by Oncor, the largest regulated electric delivery business in Texas. Oncor Senior Vice President Jim Greer, who oversees asset management and engineering, will be a keynote luncheon speaker on April 16 discussing his company's Smart Grid Initiative.

Universities across the globe (such as IIIT, India) that have moved to the forefront in the movement for cleaner energy are also major contributors to the upcoming *IEEE Green Technologies Conference*.

In addition to major presentations and exhibits by Oncor and other industry leaders in the *Green* revolution, universities participating at this writing so far include: University of Tokyo, Japan; Birla Institute of Technology, India; University of the West Indies, Trinidad & Tobago; Southern Illinois University; University of Southern California; Texas A&M-Corpus Christy; University of Texas-Arlington; and others.

Other highlights of the IEEE Green Technologies Conference are being covered in depth on the ScienceNews Radio Network program *The Promise of Tomorrow*, [www.PromiseOfTomorrow.biz](http://www.PromiseOfTomorrow.biz), where interviews with scientists, business innovators, and other leaders in renewable energy/conservation at the conference are featured regularly leading up to the event.

"The IEEE Green Technologies Conference will provide a forum for engineers, professors, architects, technicians, and practitioners to consider all aspects of Green Technologies and their application" said Ed Safford, Technical Program Chairman of the event. "This is an international conference. Those registering to attend are students, professors, engineers, technologists, enthusiasts from the power industry, building industries, conservation camps, lawmakers, and opinion leaders in technology and policy."

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