Technology Promotes Sustainable Development

Lakshminarayanan Subramanian
Associate Professor, Computer Science, Courant Institute of Mathematical Sciences

CURRENT RESEARCH

Innovative computing and technology provide solutions for the developing world

In many places around the world, poverty and isolation are synonymous. However, with the widespread use of cellphones and increasing affordability and accessibility of other technologies, individuals living in poverty around the world are now being connected to medical attention, education, and more via technology. Dr. Lakshminarayanan (Lakshmi) Subramanian, Associate Professor of Computer Science at New York University, designs innovative computing and communication technological innovations to address important socio-economic development problems. Interested in the design of game-changing technologies that promote social good, Dr. Subramanian believes that technology can provide the scaffolding to promote sustainable development. At the heart of his research is the hope to bring technology to communities that otherwise would be isolated without the proper care or attention they deserve. In the last eight years, Dr. Subramanian has worked in many interesting places including Rwanda, Ghana, India, Pakistan, Kenya, Ethiopia, and Mexico all with the hope of implementing sustainable technology that will build a sustainable ecosystem.

Computing for development, or otherwise referred to as Information and Communication Technologies for Development (ICTD), is a relatively nascent field within computer science. There are a few research groups that have established themselves as centers of excellence in this space and Dr. Subramanian's research group has played an integral part in the establishment and growth of this field. In fact, Dr. Subramanian co-founded the ACM Symposium on Computing for Development which along with the ICTD conference have emerged as one of the top publication venues in this space.With a...

Read More at benefunder.com/

AFFILIATION

New York University

EDUCATION

- Ph.D. in Computer Science 2005, University of California, Berkeley
- M.S. in Computer Science 2002, University of California, Berkeley
- B.Tech. in Computer Science 1999,Indian Institute of Technology Madras, India

RESEARCH AREAS

Technology, Computational Sciences / Mathematics, Informational Sciences / Internet, Telecommunications

FUNDING REQUEST

Your contributions will support the continued research of Dr. Lakshminarayanan Subramanian, of New York University, as he designs innovative computing and communication technological innovations to address important socio-economic development problems. Donations will fund the necessary $1-2M required for large-scale efforts involving a combination of researchers and several resources on the ground in countries across the globe. Join in building systems to solve real-world problems.