



For Immediate Release

10 Innovators Show Off Hardware Solutions For All 7 Billion Of Us

ASME, The American Society of Mechanical Engineers, brings I-Show to Bengaluru on April 28, 2016

NEW YORK, April 20, 2016 – Ten hardware innovators and budding entrepreneurs from India have been named finalists in the 2016 ASME I-Show, a competition to be held April 28 at the Le Meridien Hotel in Bengaluru. https://youtu.be/Nlbb4_i4Cn0

The ten socially-minded tech innovators have been selected from a pool of applicants to demonstrate products that offer the potential to remedy environmental, economic, and social problems afflicting the globe. Three winners in the competition will share \$50,000 in prize money from The American Society of Mechanical Engineers (ASME), which in addition to the program in Bengaluru is sponsoring two other I-Show events in Nairobi, Kenya, and Washington, D.C. (USA). www.thisishardware.org

“ASME launched I-Show because research shows the lack of support for hardware innovators seeking entry into global markets,” said Julio C. Guerrero, president of ASME. “The products in the competition all demonstrate the potential for making a social and environmental impact, while showcasing the creativity and ingenuity of tomorrow’s engineering problem-solvers and business leaders.”

In the competition, the contestants will pitch their product prototypes to judges, including leaders who are successful entrepreneurs and founders of venture-funded startup companies. The pitches will outline the engineering design attributes of the prototypes and also include a discussion of plans for manufacturing, implementation, marketing, and financing. <https://twitter.com/asmeishow>

The ten finalists are:

- *The **Bempu Hypothermia Alert Device** by Gini Morgan is a baby bracelet that detects neonatal hypothermia and transmits alerts to the mother or other caregiver via an audio/visual alarm.*
<https://www.youtube.com/watch?v=jx8RlwqfCTs>

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- *The **Portable Hand-held Dermoscope** by Geethanjali Radhakrishnan monitors skin diseases, which affect twelve percent of the Indian population and oftentimes goes untreated in rural areas.*
- *Bala Bhaskar's **Nano Science Lab** is a portable cabinet that stores chemicals and laboratory apparatus, providing teachers with a convenient and cost effective tool for classroom science instruction.*
<https://www.youtube.com/watch?v=dks4WclRJJl>
- ***GRoboMac**, by Manohar Sambandam, is the name of a unique farm tractor that incorporates robotics, sensors, and other advanced technologies to harvest crops, apply seed and fertilizer, and perform other agricultural tasks.*
- *The **Siri-Smart Irrigation Controller**, a design of Satish KS and FlyBird Innovations, employs high-precision soil moisture, temperature and humidity sensors to help farmers determine the correct requirements for watering.*
<https://www.youtube.com/watch?v=YD7y0wt7gCw>
- ***InC**, by Arpit Dhupar and his collaborators at Project Carbon, collects exhaust from a diesel engine and converts the soot into ink and other useful and environmentally benign products for the textile printing industry.*
- *Madhav Aggarwal will present **Navyo**, a smart glove that guides visually impaired persons via vibrations triggered by GPS data in a mobile phone.*
<https://www.youtube.com/watch?v=6K3uCP7W6Cg&feature=youtu.be>
- ***SOLBox**, developed by Mathias Koepke, is an electric meter that enables bi-directional electricity trading between households equipped with solar energy systems and those non-equipped, giving owners control over the amount of power purchased off the grid.*
- *The **4SL Box** is Buddha Burman's innovative rendition of a digital classroom, with a server, tablet, and educational content all connected to the cloud providing an autonomous learning opportunity in areas unserved by educational infrastructure.* <https://vimeo.com/128608852>
- ***Helix** is Bola Somade's version of the next-generation clean-burning cook stove, featuring a natural forced current that efficiently redirects heat from the burning chamber to the top of the fire.*

“ASME congratulates all ten finalists,” noted Guerrero. “They are making a difference in a world increasingly reaching out for new ideas and innovations to solve problems and improve the lives of all people.”

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About ASME

ASME helps the global engineering community develop solutions to real world challenges. Founded in 1880 as the American Society of Mechanical Engineers, ASME is a not-for-profit professional organization that enables collaboration, knowledge sharing and skill development across all engineering disciplines, while promoting the vital role of the engineer in society. ASME codes and standards, publications, conferences, continuing education and professional development programs provide a foundation for advancing technical knowledge and a safer world. For more information, visit www.asme.org.

About ASME Innovation Showcase (ISHOW)

The ASME IShow is a global competition for hardware led social innovation. Applicants must have a prototype and be taking a physical product to market that will have a social or environmental impact. Finalists are invited to an ASME Innovation Showcase's in India, Kenya or the USA and receive advice from industry experts and investors. Three winners are selected at each location to share \$50,000 in cash and a design and engineering review delivered by industry experts. The ASME IShow is sponsored by The Lemelson Foundation and the ASME Foundation with Villgro Innovations as the Implementation Partner in India. www.thisishardware.org

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