

MIT D-Lab designing for a more equitable world

STUDENT SHOWCASE SPRING 2018

5 PM - ROOM 310

D-LAB: ENERGY

- » Needs Assessment in Nepal
- » Evaporative Cooling Assessment
- » Solar Dryer Selection Tool
- » Charcoal Briquette Quality Improvement

HUMANITARIAN INNOVATION

- » Improving Water Access in Puerto Rico
 - » Improving Safety in Latrines
 - » Fostering Design and Innovation among unaccompanied refugee minors
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5:45 PM - ROOM 350 & WORKSHOP

D-LAB: DESIGN

- » Commercial Cookstove for Mealie Vendors in S. Africa
- » Ready to Assemble Solar Systems for Zimbabwe
- » Point-of-care screening Platform for Lymphoma
- » Packaging and Filter Housing for Paper Filter
- » Stair Climbing Vehicle for Disabled People
- » System to Dry and Burn Human Waste

D-LAB: WATER, CLIMATE CHANGE, & HEALTH

- » Wastewater Irrigation in India
 - » Two short stories related to H₂O, CC, Health
 - » MIT-DUSP-Colombia Projects Link
 - » Visualizing Health Access
 - » ORDEAL (occultation of radiowave detection for evaluation of atmospheric liquid)
 - » The People's Archive of Rural Pakistan
 - » Use of Heirloom Tomato Second Production
 - » Building Ventilated Improved Pit Latrines in Rwanda
 - » Solar Water Trailers for Off-Grid Electricity in Puerto Rico
 - » Wastewater Bazaar: Low-Cost Decentralized Treatment for Farmers in India
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D-LAB: EDUCATION

- » Design Process in a Buddhist Temple
 - » Local Resources and Hands-On Math Training for Teachers
 - » Connecting STEM with Life Skills
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6:30 - ROOM 310

D-LAB: NEW ECONOMIES

- » Creative Capacity Building with Women Farmers Around Climate Change
- » Identifying Industries Ripe for Small Business Development

D-LAB: SMALLHOLDER AGRICULTURE

- » Agricultural Innovation Ecosystems in Colombia
 - » Radio Shows on Colombian Agriculture
 - » Insurance Products for Smallholder Farmers
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Hallway - UROP

Development of low cost water filter using plant xylem

MIT D-LAB STUDENT & INSTRUCTOR LISTS

SPRING 2018

D-LAB: DESIGN

Instructors: Jerome Arul, Sorin Grama

Students: Alaisha Alexander, Bettina Arkhurst, Smita Bhattacharjee, Elizabeth Bianchini, Malik Coville, Alexis Dalessandro, Stephen Gaffley, Danielle Gleason, Amy Gouws, Joshua Graves, Mitchell Gu, Walburga Khumalo, Meghan Kokoski, Amy Liu, Trang Luu, Ann McInroy, Felipe Monsalve, Ananya Nandy, Bothabo Ngwenya, Rana Odabas, Daniel Osorio, David Pacheco, Claire Robinson, Emily Tang, Sarah Tress, Coby Unger, Amber VanHemel

D-LAB: EDUCATION

Instructor: Lisa Nam

Students: Janak Agrawal, Jorge Garcia Castillo, Nikayah Etienne, Matt Graydon, Ken Hagberg, Michelle Noh, Elizabeth Pedlow, Zion Perry, Soumya Ram, Magdalena Sowder, Yotaro Sueoka, Katherine Wang, Sophie Wang

D-LAB: ENERGY

Instructors: Amit Gandhi, Libby Hsu, Dan Sweeney

Students: Idaly Ali, Meredith Barr, Max Beeman, Danielle Gleason, Ciera Gordon, Yiran He, Michael Kitcher, Dheekshita Kumar, Lisa Tang, Srimayi Tenali

HUMANITARIAN INNOVATION

Instructors: Amy Smith, Martha Thompson

Students: Chun Man Chow, Jorge Garcia Castillo, Ana Gonzalez Rojas, Matt Graydon, Mine Kansu, Sanjana Lath, Julia Milton, Bora Ozaltun, Ivraj Seerha, Magdalena Sowder

D-LAB: NEW ECONOMIES

Instructors: Libby McDonald, Kate Mytty

Students: Lee Bernick, Sydney LaPorte, Janel Mendoza, Bernardo Perez, Olivia Waring, Chibin Zhang

D-LAB: SMALLHOLDER AGRICULTURE

Instructors: Gwyn Jones, Bob Nanes

Students: Milani Chatterji-Len, Julian Ortiz Giraldo, Zilpa Oduor, Katia Rojas Suarez, Juan David Reina Rozo

D-LAB: WATER, CLIMATE CHANGE, & HEALTH

Instructors: Vin Gupta, Susan Murcott, Julie Simpson

Students: Liana Banuelos, Nick Cohen, Paulina Limasalle, T.D. MacDonald, Christine Oginga, Alka Palrecha, Clare Sachsse, Katia Rojas Suarez, James Rowe, Olivia Waring

UROP

Research Supervisor: Anish Paul Antony

Student: Jennifer Lu

d-lab.mit.edu