



GIST TECH-I COMPETITION FINALS



7TH GLOBAL ENTREPRENEURSHIP SUMMIT

June 22-24, 2016 • Silicon Valley, California



The GIST initiative is led by the U.S. Department of State, and the Tech-I competition is implemented by the American Association for the Advancement of Science.



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CATHERINE A. NOVELLI

Under Secretary for
Economic Growth, Energy,
and the Environment
U.S. Department of State

Welcome to the Department of State's sixth annual Global Innovation through Science and Technology (GIST) Tech-I Global Pitch Competition Finals and Award Ceremony, hosted as an official part of the Global Entrepreneurship Summit since 2011. It is a great pleasure to celebrate the vital role that entrepreneurs around the world play in communities, from college towns to refugee camps, from rural villages to urban hubs.

I am excited to welcome the exceptional 30 finalists who are the most geographically diverse GIST Tech-I group ever. They represent not only 24 countries from Africa, Asia, Europe, Latin America, and the Middle East but also the most exciting science and technology innovations in agriculture, education, energy, environment, healthcare, and information and communications technology (ICT).

This year's finalists successfully navigated an expert review panel and a competitive round of global public voting. Over 431,000 votes were cast, the highest number ever. These finalists now have the opportunity to pitch their ideas and startups to experts, investors, and other entrepreneurs and compete for seed capital awards and global awareness.

GIST entrepreneurs epitomize perseverance, not only prevailing against unique challenges in their home economies, but also capitalizing on their ingenuity to create solutions to solve those challenges. Our 5,000 GIST alumni have become role models in their communities, created jobs worldwide, and generated over \$110 million in revenue by commercializing their innovations. With that in mind, I call on each of our 30 newest GIST Tech-I finalists to not only strive for excellence in their ventures, but also to return home as a role model for the next generation of youth and their innovative ideas. I know that they will take what they learn here and make the world a better place for their family, their community, and the world.

Sincerely,

Catherine A. Novelli



DR. RUSH HOLT

Chief Executive Officer,
American Association
for the Advancement
of Science
Executive Publisher,
Science Family of Journals

The American Association for the Advancement of Science (AAAS) welcomes you to the sixth annual Global Innovation through Science and Technology (GIST) Tech-I Competition finals at the Global Entrepreneurship Summit (GES).

It is an honor to have the opportunity to bring such amazing entrepreneurs together, and I congratulate each of the thirty finalists on their success in the GIST Tech-I Competition.

For every major challenge faced by humankind there is a role for science and technology in finding a solution. Entrepreneurs, scientists, and innovators such as the finalists are harnessing applications of science to meet society's needs, whether they be improving health, increasing agricultural productivity, finding innovative ways to produce and deliver energy, or connecting people through better communication methods.

The entrepreneurs come from a variety of different backgrounds, each with unique experiences, but all of them understand that innovation and transformation cannot exist without ambition and a supportive system. At AAAS, the world's premier general scientific membership society, we believe in the power of creativity and curiosity to transform communities and lives everywhere. Scientists are entrepreneurs. Perhaps no one epitomizes this more than Thomas Edison, the founder of the premier AAAS journal, *Science*.

This is an exciting gathering of brilliant minds from around the world. I encourage everyone to actively participate, make connections and seize the opportunities presented here.

Sincerely,

Dr. Rush Holt

THE STORY OF GIST

Imagine two young people—one American, one Afghan—who each have a great science-based idea to solve a water problem in their respective communities.

One lives in Silicon Valley, one in Kabul. Which one do you think has a better chance of accessing the necessary resources to move the idea forward, to develop a prototype and then create a startup? Which community might need that solution more? What if young people everywhere, like their counterparts in Silicon Valley, were empowered to address local and global challenges through innovation, entrepreneurship, and the creation of startups?

HISTORY

In 2010, the U.S. Department of State held a series of small conferences around the world that brought together governments, academia, and the private sector, including successful entrepreneurs from emerging economies, to solicit ideas on how to empower young innovators globally. The answer was surprisingly simple yet complex: innovators need support and the confidence to face down cultural norms that judge risk and failure harshly; they need a support network; they need skills to move their ideas from the realm of the science laboratory or technology drawing board into the business world. Global Innovation through Science and Technology—GIST—is the result of this fact-finding process.

THE GIST INITIATIVE

The Global Innovation through Science & Technology (GIST) initiative operates at the intersection of science & technology, innovation, and entrepreneurship to empower individual innovators and to strengthen entrepreneurial ecosystems. GIST equips young men and women with the skills they need to be successful entrepreneurs and leaders who turn their ideas into new ventures that transform their communities. Since its launch in 2011, GIST has engaged with more than 2.8 million innovators and entrepreneurs around the world, providing training to over 5,000 startups that have generated more than \$110 million in revenue.

At the heart of the GIST initiative is the GIST Network, which provides user-driven online resources to help young science and technology entrepreneurs in emerging economies navigate the challenges to building viable companies. GISTNetwork.org connects entrepreneurs to peers, mentors, experts, and financing both globally and within their communities.

GIST IN-COUNTRY

GIST Startup Boot Camps provide face-to-face training and mentorship, develop local role models, and strengthen innovation ecosystems. Since 2011, GIST Startup Boot Camps have trained young science and technology entrepreneurs in over 30 countries. Each Startup Boot Camp offers multiple days of intensive hands-on training for learning and practicing skills such as customer discovery, market fit, and perfecting business pitches. The program culminates in a public demonstration day to showcase the startup teams from the boot camp and promote entrepreneurship in the broader local community.

GIST Villages provide resources that local entrepreneurs in emerging economies can use and adapt to help build and strengthen their local community of entrepreneurs. Participants are able to strengthen their networks and build their local innovation ecosystem. The Villages work at the grassroots level, using both real and virtual meet-up groups

and direct interactive programming, to engage local communities and stimulate entrepreneurial activity.

GIST Ideation Boot Camps inspire the next generation of science and technology innovators to get out of the lab and commercialize their ideas. Though ideas are everywhere, opportunities are not. Ideation Boot Camps provide practical baseline knowledge on how to look at problems differently, and participants emerge with the tools find innovative business solutions that transform ideas into marketable products and services.

GIST ONLINE

GIST online programming provides in-country entrepreneurs with direct access to leading U.S. talent from business and academia, but without the travel and event costs. Young science and technology entrepreneurs across the globe engage with experts and the larger GIST community proving that innovation and entrepreneurship have no boundaries in today's global marketplace.

GIST TECH-I

The GIST Tech-I Global Pitch Competition attracts the most promising science and technology entrepreneurs from emerging economies. Online public voting and entrepreneurship experts decide who competes in the Tech-I Finals, a highly anticipated event at the annual Global Entrepreneurship Summit.

Will you join GIST?

**Just go to
GISTnetwork.org.**

AAAS STORY

The American Association for the Advancement of Science (AAAS) is the world's largest general scientific society and publisher of the journal *Science*, a digital, open-access journal, *Science Advances*, as well as four other topical journals.

AAAS was founded in 1848 and includes 252 affiliated societies and academies of science, serving more than 10 million members. *Science* has the largest paid circulation of any peer-reviewed general science journal in the world.

The non-profit AAAS is open to all and fulfills its mission to "advance science, engineering, and innovation throughout the world for the benefit of all people" through initiatives in science policy, international programs, science education, public engagement, and more.

AAAS GOALS

- Enhance communication among scientists, engineers, and the public;
- Promote and defend the integrity of science and its use;
- Strengthen support for the science and technology enterprise;
- Provide a voice for science on societal issues;
- Promote the responsible use of science in public policy;
- Strengthen and diversify the science and technology workforce;
- Foster education in science and technology for everyone;
- Increase public engagement with science and technology
- Advance international cooperation in science.

Centers and Programs involved in GIST Tech-I:

AAAS CENTER OF SCIENCE, POLICY, AND SOCIETY PROGRAMS

The Center of Science, Policy, and Society Programs connects the science and engineering community to policy makers and societal interest through an array of different programs. Programs include S&T Policy Fellowships; Dialogue on Science, Ethics and Religion; Scientific Responsibility, Human Rights and Law Program; and the Research Competitiveness Program. The Center works closely with the AAAS Office of Government Relations to produce the annual S&T Policy Forum, the premier science policy conference in Washington DC, the annual S&T Policy Leadership Seminar, and the weekly Policy Alert.

AAAS RESEARCH COMPETITIVENESS PROGRAM (RCP)

The Research Competitiveness Program (RCP) provides expertise for academia, industry, foundations, and government agencies investing in, supporting, and leading programs in science, technology, engineering, and math (STEM) around the world. For twenty years, RCP has built capacity for institutions and individuals in STEM by providing assessments for more than \$1 billion in STEM initiatives, advising on peer-review process and ethics, providing peer-review of proposals, designing funding competitions, developing and leading workshops and conferences, and directly implementing innovation and entrepreneurship programs such as GIST Tech-I.

SELECTION PROCESS

1



APPLICATION PHASE

Aspiring entrepreneurs applied!

2



INITIAL SCREENING

AAAS conducted an initial screening of all materials and offered one-on-one support to applicants.

3



EXPERT REVIEW

Each application was then reviewed by a minimum of 3 science, technology, innovation, or entrepreneurial specialists.

4



SEMI-FINALISTS ANNOUNCED

Our semi-finalists were announced to progress to the global voting phase of the competition.

7



FINALISTS TRAINING & MENTORSHIP

Immediately prior to GES, all of the finalists receive two days of intense entrepreneurial and business training.

8



FINAL PITCH

Finalists compete live at GES for capital seed prizes.

9



MENTORSHIP

All finalists will receive 3 months of mentorship with AAAS and a network of entrepreneurial, scientific, and venture capital experts.

**THIS IS JUST THE BEGINNING
FOR OUR AMAZING FINALISTS!**

"The GIST Tech-I finals is a lifechanging experience, and I truly mean it. I had no idea what a pivotal point it was going to be in my life. No matter whether you win or lose, the experience will be helpful to every startup and every idea stage applicant."

ARLINDA REZHDO

2015 GIST Tech-I Finalist

TECH-I FINALISTS



LEVON ARAMYAN

Founder and Project Manager

MOTIVATION

"I believe that an educated and smart generation will be more successful... Our project is aimed at making the education process more creative, interesting, visualized and student-friendly. The more educated and smart children we have today, the better and more secured world we will have tomorrow."

IMMERSIVE EDUCATION SOLUTIONS (IES)



COUNTRY:
Armenia



FACEBOOK:
/ImmersiveEducationSolutions



STAGE OF DEVELOPMENT:
Startup



CONTACT INFO:
levonaramyan@gmail.com



SECTOR:
Education

The traditional methods of education lack visualization, fun and entertainment. IES aims to produce immersive educational 3D movies, making effective video lectures with FullDome projection. This realistic environment will make the education more spectacular and entertaining.

TEAM MEMBERS:

Armine Ghazaryan,
Co-founder and Project Assistant
Anna Voskanyan, PR Manager
Hrant Simonyan,
3D Artist Team Supervisor

CURRENT TARGET MARKET:

Armenia

MARKET POTENTIAL:

Caucasus, Europe, USA,
worldwide

GET IT



COUNTRY:
Colombia



STAGE OF DEVELOPMENT:
Startup



SECTOR:
ICT

The Get It app allows users to have fun while saving! How? While the user saves through sales catered to his interests, he accumulates points and competes against other players to win prizes and exclusive discounts. With this app, businesses can get to potential customers with their sales and contests at the moment they need it.



TWITTER:
@Getitcolombia



FACEBOOK:
/GetitColombia



CONTACT INFO:
ceo@appisoft.com.co
www.getitofertas.com

TEAM MEMBERS:

Carlos Esteban Cabrera,
Co-founder & CTO
Luis Enrique SanJuan, CRO
Gina Varela, Manager

CURRENT TARGET MARKET:

Colombia

MARKET POTENTIAL:

Across Latin America,
North America, Europe, Asia

TANIA CABRERA

Co-founder and CEO

MOTIVATION

"Get It will revolutionize marketing...It will boost the economy of our country, letting businesses increase their sales and users buy more products with the same amount of money. This would boost the mobile apps development in our country too and would increase the confidence to invest in the emergence of more young entrepreneurs."





JORGE CESPEDES

Founder and CEO

MOTIVATION

"I would like to encourage young entrepreneurs by setting the example, by showing them that there are good opportunities to showcase your idea or project to the world. All it takes is hard work and discipline."

AISELL



COUNTRY:
Paraguay



STAGE OF DEVELOPMENT:
Startup



SECTOR:
ICT



CONTACT INFO:
jorge.cespedes@uca.edu.py
www.jdplabs.com

AI Sell is a classifieds platform which gives an intelligent assistant to every user. This assistant obtains information about what the user wants to buy/sell and then locates and negotiates with other users' assistants. Everything happens transparently so that the user can choose the best deal.

CURRENT TARGET MARKET:

English and Spanish-speaking countries

MARKET POTENTIAL:

Worldwide

MONKEY JUNIOR



COUNTRY:
Vietnam



STAGE OF DEVELOPMENT:
Startup



SECTOR:
Education

Monkey Junior teaches children from a few months old to 6 years old to read using a comprehensive curriculum with thousands of lessons. Each lesson lasts 5-7 minutes and a child can have one or more lessons a day. Children can learn multiple languages, anywhere, anytime.



TWITTER:
@earlystartedu



FACEBOOK:
/earlystartco



CONTACT INFO:
hoang.dao@monkeyjunior.com
www.monkeyjunior.com

CURRENT TARGET MARKET:

Vietnam and USA

MARKET POTENTIAL:

Worldwide

HOANG DAO

CEO

MOTIVATION

"I chose to work in early education because it is the field that I am so passionate about. I have a strong belief that early education can form a foundation for children to foster their learning ability and being able to read early is one way to open the door of knowledge. Monkey Junior was built with that mission at the very beginning."





ONESMUS EMEKA

CEO

MOTIVATION

"I want prospective home buyers to get their true concept of dream homes with regards to interior finishing and also open up a new market domain for interior designers and business people dealing with interior fixtures."

EGALAXYKENYA



COUNTRY:
Kenya



STAGE OF DEVELOPMENT:
Idea



SECTOR:
ICT



CONTACT INFO:
emeka@egalaxykenya.com
www.tanoger.com

Unlike other Kenyan property listing portals, Egalaxykenya's Tanoger portal allows buyers to model, select, and communicate their interior finishing tastes to sellers so that they can be incorporated into their dream homes.

TEAM MEMBERS:

Dr. Fred Mairura,
Head of Business Development
Asuntah Waikunu,
Head of Marketing and
Brand Establishment

CURRENT TARGET MARKET:

Kenya

MARKET POTENTIAL:

Across East Africa

ECOFUTURE



COUNTRY:
Nigeria



STAGE OF DEVELOPMENT:
Startup



SECTOR:
Agriculture and Environment

EcoFuture is a social enterprise that helps waste recycling manufacturers access highly-sorted, quality recyclable waste at minimum cost. EcoFuture increases its customers' factory capacity by 40% and decreases their cost of production by at least 30%.



TWITTER:
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FACEBOOK:
/EcofutureNigeria



CONTACT INFO:
frederickdestiny390@gmail.com
www.ecofuture.com.ng

TEAM MEMBERS:

Priscilla Ogedegbe, CFO
Frank Omoikholo, COO
Temitayo Etomi, Board Advisor
Charles Chikeze, Mentor

CURRENT TARGET MARKET:

Edo State, Nigeria

MARKET POTENTIAL:

Across Nigeria

DESTINY FREDERICK

Founder and CEO

MOTIVATION

"With my research on waste management and recycling, I realized that unmanaged landfills and illegal dumpsite leave Edo State residents vulnerable to increased blockage, erosion, pollution and disease spread ...I want to give people opportunities to capture value from recycling waste and cleaning up their environment."





NIKOLAZ GACHECHILADZE

Founder and CEO

MOTIVATION

"I see myself as a lifetime learner with the purpose to learn more, ask more questions and apply the knowledge to create an impact...My idea will provide accessible and high quality educational possibilities for people in developing regions, and I see quality education (formal or informal) as the cornerstone for developing communities."

MOTIONX



COUNTRY:
Georgia



STAGE OF DEVELOPMENT:
Idea



SECTOR:
Education



FACEBOOK:
/MotionXtechnology



CONTACT INFO:
nikolozg1997@gmail.com
motionx.wordpress.com

MotionX automates the video shooting process, making engaging online education affordable for students and institutions. Its hardware and software system tracks a speaker's movement to create smooth transitions and produces a video that is edited and ready for streaming or upload.

CURRENT TARGET MARKET:

Georgia

MARKET POTENTIAL:

Armenia, India, worldwide

CLEV-G



COUNTRY:
Jordan



STAGE OF DEVELOPMENT:
Idea



SECTOR:
ICT

Clev-G is a gas cylinder (LPG) safety, tracking, and auto refill ordering device. After it has been attached to an LPG cylinder, Clev-G transfers gas level readings online, sends out notifications of low gas levels, and monitors gas leakage and high temperatures to trigger safety alarms.



FACEBOOK:
/clevg



CONTACT INFO:
eng.layth.h@gmail.com
www.clevg.com

CURRENT TARGET MARKET:

Jordan

MARKET POTENTIAL:

Expansion of services to other refillable devices

LAYTH HAMAD

CEO and IoT System Engineer

MOTIVATION

"As an engineer, my starting point always is finding daily life problems that people are suffering from, and the biggest inspiration for me is the idea of making people's life much easier...With support of my family and friends, I always feel strong, and that is what led me to be an entrepreneur."





SAIMA HANIF

Founder and CEO

MOTIVATION

"Being a healthcare professional, I observed people crying for hope of their life and their dear ones...After I saw this suffering, I wished to find some novel cost effective treatment and to develop cost effective and more sensitive Hepatitis C tests to get rid of illness."

MASEEHA FOUNDATION



COUNTRY:
Pakistan



CONTACT INFO:
saimahanif54@gmail.com



STAGE OF DEVELOPMENT:
Idea



SECTOR:
Health

Currently available Hepatitis C clinical tests are highly expensive and erroneous, making it very difficult to control the disease. Maseeha Foundations' Carespare solution is a reusable and time efficient diagnosis test that is less expensive and provides more accurate test results.

TEAM MEMBERS:

Noman Hanif, CMO
Taiba Hanif, Chief Design Officer
Salman Hanif, CFO
Omer Hanif, CTO

CURRENT TARGET MARKET:

Pakistan

MARKET POTENTIAL:

Countries with high
Hepatitis C rates

DARATY



COUNTRY:
Syria



STAGE OF DEVELOPMENT:
Idea



SECTOR:
Education

Daraty is an interactive kit to teach children the basics of electronics and improve their problem solving skills.



TWITTER:
@daratycom



FACEBOOK:
/daratycom



CONTACT INFO:
sana.haw@gmail.com
www.sanahawasly.com

TEAM MEMBERS:

AlHasan Muhammad Ali,
Co-founder and CTO
Hany Hawasly,
Communications Manager

CURRENT TARGET MARKET:

Arabic-speaking countries

MARKET POTENTIAL:

USA

SANA HAWASLY

CEO

MOTIVATION

"Giving as many kids as we can the same opportunity to experiment, play, learn, invent and have the engineering skills at an early age will drive them into a better future...We're investing in every available opportunity to further advance our startup so we can pave the road for the next generation of Syrian entrepreneurs."





AMR HUSSEIN

Co-founder and CEO

MOTIVATION

"Koshk Comics is a way to empower the cultural impact of visual story telling by supporting visual artists with tools to collaborate and publish more content... We focus on cross-culture exchange, which improves education and society's impression of other cultures in a positive way."

KOSHK COMICS



COUNTRY:
Egypt



STAGE OF DEVELOPMENT:
Startup



SECTOR:
ICT

Koshk Comics is a website for comic artists to interconnect, collaborate and self-publish digital comics; also a mobile app for readers to enjoy awesome visual stories and comic books.



TWITTER:
@koshkcomics



FACEBOOK:
/koshkcomics



CONTACT INFO:
amr@colors-grp.com
www.koshkcomics.com

TEAM MEMBERS:

Mostafa Saadany,
Creative Director

CURRENT TARGET MARKET:

Egypt, Lebanon, Tunisia, Iraq

MARKET POTENTIAL:

Europe, USA, Japan, worldwide

NOMADED



COUNTRY:
Kazakhstan



CONTACT INFO:
sabiesmile@gmail.com



STAGE OF DEVELOPMENT:
Idea



SECTOR:
Education

NomadEd is an online distance education platform designed for people with physical and mental disabilities. It will allow users to attend university online, find tutoring, benefit from support and networking from other users, and look for job opportunities.

TEAM MEMBERS:

Yerbol Yembergenov, Co-founder

CURRENT TARGET MARKET:

Kazakhstan

MARKET POTENTIAL:

Neighboring countries,
worldwide

SABINA ISMAILOVA

Co-founder

MOTIVATION

"People with physical disabilities or special educational needs deserve to get higher education, they deserve to obtain careers they love and make an impact in the world. These are basic human rights... I decided that I could do something to change this in our country."





RICARDO JARAMILLO

Founder

MOTIVATION

"We identified that the agricultural sector in underdeveloped countries needs access to capital, knowledge, technology and markets. We decided to start with the first part in the chain value, the suppliers."

CROPER.CO



COUNTRY:
Colombia



STAGE OF DEVELOPMENT:
Startup



SECTOR:
Agriculture and Environment



TWITTER:
@agrofuturo



FACEBOOK:
/agrofuturo



CONTACT INFO:
rj@agrofuturo.com.co
www.croper.co

By offering both retail purchases and reverse auctions in the same platform, the Croper.co online marketplace will allow small and medium farmers to buy agricultural inputs in an efficient and transparent way and obtain better commercial conditions.

TEAM MEMBERS:

Daniel Clavijo, New Business Development Manager
Esteban Arredondo, Sales and Supply Manager
Esteban Arango, Web Development Manager

CURRENT TARGET MARKET:

Colombia

MARKET POTENTIAL:

Across Latin America, worldwide

IDVORSKY ELECTRIC TRACTOR



COUNTRY:
Serbia



STAGE OF DEVELOPMENT:
Idea



SECTOR:
Agriculture and Environment



TWITTER:
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FACEBOOK:
/idvorskyelectric



CONTACT INFO:
office@idvorsky-electric.com
www.idvorsky-electric.com

Idvorsky Electric Tractor is a highly efficient, eco-friendly solution for multifunctional applications in agriculture and farming and for use in environmentally sensitive surroundings as national parks and green city cores.

TEAM MEMBERS:

Nikola Popov,
Co-founder and CTO
Dalibor Markovi,
Co-founder and COO

CURRENT TARGET MARKET:

Serbia, neighboring countries

MARKET POTENTIAL:

USA, Western Europe,
Japan, worldwide

IVAN JOVANOVIĆ

Co-founder and CEO

MOTIVATION

"It is really about overcoming yourself all the time. Entrepreneurship requires sacrifice of your time and energy, lots of sweat and hard work with unknown outcome. It is a lot of effort gambling... The moment I beat that up in my head was my major breakthrough."





DIEGO LÓPEZ

Founder and CEO

MOTIVATION

"I find inspiration in my family, and my grandfather who raised his family with a craft-based venture. My father did the same with an industrial enterprise and my nephews, who are 14 and 15 years old, established their first technological company."

GORAYMI



COUNTRY:
Ecuador



STAGE OF DEVELOPMENT:
Idea



SECTOR:
Education

GoRaymi is a digital platform for cataloging, disseminating and marketing that allows tourists from around the world to access the tourism potential of all of the towns of Ecuador.



TWITTER:
@goraymi



FACEBOOK:
/goraymi



CONTACT INFO:
info@goraymi.com
www.goraymi.com

TEAM MEMBERS:

Carla López, Co-founder and Brand Ambassador
Sebastián López, Co-founder and Brand Ambassador
Soledad López, Co-founder and Marketing Manager
Susana López, Finance Manager
Christian Idrovo, Development Manager

CURRENT TARGET MARKET:

Ecuador

MARKET POTENTIAL:

Colombia and Peru



TOPE ENERGY



COUNTRY:
Mexico



STAGE OF DEVELOPMENT:
Startup



SECTOR:
Energy

Tope Energy's first device is a speed bump system, which absorbs the mechanical energy generated by vehicles in motion, and turns it into electric energy.



TWITTER:
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FACEBOOK:
/topeenergy



CONTACT INFO:
ylcoyotzi@marsersa.com
www.energymarser.com

TEAM MEMBERS:

Sergio Arellano,
Investigation Manager
Eduardo Anzorena,
Construction Manager
Carlos Reséndiz, Sales

CURRENT TARGET MARKET:

Mexico

MARKET POTENTIAL:

Worldwide

YESSICA LOPEZ COYOTZI

Executive

MOTIVATION

"My passion is my biggest strength because I believe in my company, I believe in my partners, I believe that everything is possible."





MYKHAILO LYTOVCHENKO

Deputy Director
and Project Manager

MOTIVATION

"To replace traditional diesel generators people build wind turbines, solar panels and geothermal power plants. In spite of that, the problems are still unsolved...My invention will help people get affordable electricity and fresh water, and it really will improve the quality of life."

2MIKE



COUNTRY:
Ukraine



CONTACT INFO:
mlitov@mail.ru



STAGE OF DEVELOPMENT:
Startup



SECTOR:
Energy

2mike is working toward the establishment of the industrial production of modular breakwaters-power plants for generating electricity and cheap autonomous desalination of sea water.

TEAM MEMBERS:

Larysa Parkhomenko,
HR Manager
Mykhailo Lytovchenko Sr.,
Director and Owner

CURRENT TARGET MARKET:

Islands

MARKET POTENTIAL:

Continental coastal areas

SOLAR PIEZOCLEAN



COUNTRY:
Jordan



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STAGE OF DEVELOPMENT:
Idea



SECTOR:
Energy

Solar PiezoClean technology is a U.S. provisional patent that provides a waterless, self-cleaning solar dust cleaning technology that is compatible with all PV Solar Panels. This innovation will increase the energy generated by PV farms in dusty locations with minimal costs and without water.

TEAM MEMBERS:

Tala Nassraween, Co-founder

CURRENT TARGET MARKET:

Jordan and Dubai

MARKET POTENTIAL:

Kuwait, Saudi Arabia, USA

MAHER MAYMOUN

Founder and Inventor

MOTIVATION

"This idea will make the solar projects more feasible and attractive in dusty locations, which means creating more jobs for society as well as saving the water resources that are used daily for cleaning the solar panels."





MUSAWWIR MUHTAR

CEO

MOTIVATION

"Being an entrepreneur is not about love at first sight, it is about having an idea that intrigues you and increasingly pulls you in until you can no longer ignore it...Making money is not fun. Contributing to and changing the world is a lot more fun."

MORBI+



COUNTRY:
Indonesia



STAGE OF DEVELOPMENT:
Idea



SECTOR:
Agriculture and Environment



TWITTER:
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FACEBOOK:
/morbiplus



CONTACT INFO:
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musawwirmuhtar.wix.com

Morbi+ is a biscuit product made of fortified Moringa oleifera and grasshopper protein powder. Morbi+'s vision is a sustainable solution in overcoming both nutritional and poverty issues by practicing community-based business through rural women empowerment.

TEAM MEMBERS:

Sujardin Syarifuddin, Manager
Stella Alinnesia, Product Manager
Yuni Setyaningsih,
Marketing Manager
Istiqomah Nurfitri,
Finance Manager

CURRENT TARGET MARKET:

Indonesia

MARKET POTENTIAL:

Health-conscious
developed economies

RESSPOT



COUNTRY:
Nigeria



STAGE OF DEVELOPMENT:
Idea



SECTOR:
ICT

Africa's first "911" platform, ResSpot is a mobile app and wearable device that gives people access to public safety information and affordable personal security. ResSpot employs GPS technology, private security partners, and crowdsourcing to send immediate emergency assistance and alerts.



TWITTER:
@resspotofficial



FACEBOOK:
/resspotofficial



CONTACT INFO:
admin@resspot.com
www.resspot.com

TEAM MEMBERS:

Chi Achebe, Founder and CEO

CURRENT TARGET MARKET:

Nigeria and South Africa

MARKET POTENTIAL:

Across Africa, India,
Brazil, Indonesia

NNENNA CHIOMA OKOYE

CTO

MOTIVATION

"We believe that everyone deserves access to effective life-saving assistance. Our mission is to harness the power of technology to democratize personal security and build stronger, safer, and more connected communities."





MARY CHRISTINE ONG-REYES

Co-founder

MOTIVATION

"By providing moms an outlet for their questions and emotions, and a way to easily access a support system of experts, parents, or their own social network, we want to help educate and improve mothers' well-being, so that they can become the best parents they can be to our society's next generation."

PARENTUP



COUNTRY:
Philippines



CONTACT INFO:
ongchrissy@hotmail.com



STAGE OF DEVELOPMENT:
Idea



SECTOR:
Health

ParentUp is a mobile app that helps parents with newborns get information and emotional support for their health and well-being from pregnancy to postpartum.

TEAM MEMBERS:

Liza Robee Ong, Co-founder

CURRENT TARGET MARKET:

Philippines

MARKET POTENTIAL:

North America

MOVIVAN



COUNTRY:
Peru



STAGE OF DEVELOPMENT:
Startup



SECTOR:
ICT

Movivan connects passengers with van drivers through a digital platform. Using Movivan is much cheaper than taxis; it's safer, faster and more comfortable than public transportation; and it causes less stress compared to driving to work.



TWITTER:
@movivanperu



FACEBOOK:
/movivanperu



CONTACT INFO:
alexander.pizarro@movivan.pe
www.movivan.pe

TEAM MEMBERS:

David Yabar, CFO
Gustavo Rubio,
Commercial Director
Jessica Quiroz, CMO
Andres Llerena, CTO

CURRENT TARGET MARKET:

Lima, Peru

MARKET POTENTIAL:

Bogota, Mexico City,
other congested cities

ALEXANDER PIZARRO

Founder and CEO

MOTIVATION

"I'm prepared to lead a tech company and make it grow...When I need to make decisions, I place the person (clients, employees, shareholders) in first priority, because every business should exist to serve them, not the other way."





MD. SAMID RAZZAK

Initiator

MOTIVATION

"While teaching students for 6 years, I found that most students have the interest, but not the means to educate themselves... We thought of making a website to break information, economic and geographic barriers and make quality education free for anyone at any place."

10 MINUTE SCHOOL



COUNTRY:
Bangladesh



STAGE OF DEVELOPMENT:
Startup



SECTOR:
Education



TWITTER:
@10minuteschool



FACEBOOK:
/10minuteschool



CONTACT INFO:
samid.razzak@gmail.com
www.10minuteschool.com

10 Minute School is the first smart platform in Bangladesh through which students can learn from tutorials, practice from tests, monitor their progress, compare with their peers, and get information that otherwise isn't comprehensively presented online.

TEAM MEMBERS:

Ayman Sadiq, CEO
Abyad Raied, CTO
Ziaus Shams, Creative Director
Sakib Manzur, Operations Director
Sadman Sadik,
Marketing Manager

CURRENT TARGET MARKET:

Students in grades 8-12

MARKET POTENTIAL:

University and vocational
school students

ASTHA PURIFIER



COUNTRY:
Bangladesh



STAGE OF DEVELOPMENT:
Idea



SECTOR:
Health

Astha Purifier is a rice husk ash-based water filter designed to tackle the problem of arsenic contamination of drinking water. Due to the availability and inexpensiveness of the main ingredient, Astha Purifier can be offered at affordable prices anywhere in the world.



FACEBOOK:
/astha.purifier



CONTACT INFO:
samina_sarwat@ymail.com

TEAM MEMBERS:

Novo Manzoor, Co-founder

CURRENT TARGET MARKET:

Bangladesh

MARKET POTENTIAL:

India, Argentina, other
arsenic-threatened countries

SAMINA SARWAT

Founder and CEO

MOTIVATION

"My idea, Astha Purifier, is important to me, and society as a whole, because through it, I see myself trying to solve one of the biggest problems affecting Bangladesh, which is arsenic poisoning ...Access to clean water is a right that all human beings deserve. The Astha initiative aims to bring that right to all citizens of Bangladesh and beyond."





LEYLA TAGHIZADE

Founder

MOTIVATION

“When I graduated from medical university and was seeking a job, my father said ‘wise people serve for themselves. So start you own business.’ That was the best advice I’ve got in my life and this became my credo.”

HEALTHBOX



COUNTRY:
Azerbaijan



STAGE OF DEVELOPMENT:
Idea



SECTOR:
Health



TWITTER:
@healthboxclub



FACEBOOK:
/healthbox.club



CONTACT INFO:
tagizadeleyla@hippokrat.org
www.healthbox.club

TEAM MEMBERS:

Gismet Kazimli,
Software Developer
Ilhama Kerimova, Accountant

CURRENT TARGET MARKET:

Azerbaijan, Turkey, Georgia,
Russia, Iran

MARKET POTENTIAL:

Eurasia, Northern Africa,
Central Africa



HOUSING.BT



COUNTRY:
Bhutan



STAGE OF DEVELOPMENT:
Startup



SECTOR:
ICT

Housing.bt is an online real estate marketplace and brokerage firm for hosting and searching residential and commercial rental space in Thimphu, Bhutan and beyond. It also provides building repair and maintenance services.



FACEBOOK:
/housing.bt



CONTACT INFO:
housing.bt@gmail.com
www.housing.bt

TEAM MEMBERS:

Arpan Lepcha, CTO
Yogesh Mongar, Developer
Rewath Khafley, Developer
Thinley Jamtsho, Developer
Tshering Choda,
Operations Manager

CURRENT TARGET MARKET:

Bhutan

MARKET POTENTIAL:

India, Bangladesh, Nepal

JIGME TENZIN

Co-founder and CEO

MOTIVATION

"Entrepreneurship to me is the greatest platform to express my creativity. I can choose how to spend my time for living and thus live a life that matters...As they say, the purpose of life is life with a purpose. Now that's an inspiration!"



BIO-ORGANIC WASTE FERTILIZER



COUNTRY:
Rwanda



TWITTER:
@uwinezaclary



STAGE OF DEVELOPMENT:
Idea



CONTACT INFO:
uwinezac@gmail.com



SECTOR:
Agriculture and Environment

The Bio-organic Waste Fertilizer project aims to efficiently convert agricultural waste and bio-organic waste into fortified organic fertilizer. This project is committed to breaking small-scale farmers' current dependency on expensive and damaging imported chemical fertilizers.

CURRENT TARGET MARKET:

Rwanda

MARKET POTENTIAL:

Burundi, DRC

CLARISSE UWINEZA

Founder and CEO

MOTIVATION

"I found passion in science and in this challenging environment I am not discouraged...I wanted to have an impact in the society where I am and I dreamed of a solution to my surroundings, my village and why not my country. I decided to get into entrepreneurship and realize that dream."





CHARITY WANJIKU

Head of Operations

MOTIVATION

"I pride myself in overcoming stereotypes in my society that the construction industry is hailed for the male gender ...I sought to cut a niche in innovation within the building industry. I asked myself how my skills in the building industry could be used in bridging energy poverty in Kenya."

STRAUSS ENERGY



COUNTRY:
Kenya



STAGE OF DEVELOPMENT:
Startup



SECTOR:
Energy



TWITTER:
[@straussenergy](#)



FACEBOOK:
[/straussenergy](#)



CONTACT INFO:
charity.wanjiku@straussenergy.com
www.straussenergy.com

TEAM MEMBERS:

Tony Nyagah, CEO
Daisy Karimi, Technical Services
Special Advisor
Douglas Ombok,
Chief Engineering Officer

CURRENT TARGET MARKET:

Kenyan real estate developers
and schools

MARKET POTENTIAL:

Off-grid hospitals and homesteads

WONDERTREE



COUNTRY:
Pakistan



STAGE OF DEVELOPMENT:
Startup



SECTOR:
Health

WonderTree is an E-Learning platform that has been specially designed for children with special needs. WonderTree's educational and therapy games use augmented reality to help children develop motor, cognitive, and functional skills.



TWITTER:
@wondertreeco



FACEBOOK:
/wondertreeco



CONTACT INFO:
mwaqas@wondertree.co
www.wondertree.co

TEAM MEMBERS:

Usman Muhammad, CTO
Ahmed Bukhari, COO
Ayesha Aslam,
Communications Manager
Adil Najeeb,
Game Development Manager
Musab Hussain, Web Manager

CURRENT TARGET MARKET:

Special education students
and providers

MARKET POTENTIAL:

Other education and
health challenges

MUHAMMAD WAQAS

Co-founder and CEO

MOTIVATION

"For me every single person who is doing something out of the box, or trying to create something new which challenges the status quo is an entrepreneur or rather he/she possess the entrepreneurial mindset. These are the people who inspire me. Because this takes a lot of courage, persistence and resilience."





YAP CHEE WEI

Founder and CEO

MOTIVATION

"I want to see more young ASEAN (Association of Southeast Asian Nations) leaders build startups among the ASEAN citizens and work towards the concept of environmental sustainability. Not only that, I want to see the older generation shift their mindset towards the youth and have faith in those crazy ideas they never ever thought about."

HIGI ENERGY PTE LTD



COUNTRY:
Malaysia



STAGE OF DEVELOPMENT:
Startup



SECTOR:
Energy



TWITTER:
@higienergy



FACEBOOK:
/higi.energy



CONTACT INFO:
contact@higi.biz
www.higi.biz

HiGi sells affordable biomass cooking fuel because burning firewood is adverse people's respiratory system and contributes to global warming as trees are chopped.

TEAM MEMBERS:

Zherluck Shaen Rodriguez, CMO
Yeong Yee Yan, CTO
Le Thi Duyen, CFO
Dash Dhakshinamoorthy,
Chief Advisor
Katka Letzing, Chief Mentor

CURRENT TARGET MARKET:

Philippines

MARKET POTENTIAL:

Across ASEAN, Japan,
and South Korea

TRAINERS



JORDEN WOODS

DoubleNova Group
Managing Partner

Jorden is a successful Silicon Valley serial entrepreneur who has founded and led three high tech-focused companies over the last 15 years. Jorden has raised over \$60 million for his own startups as well as high-tech startups he has advised. His first startup, GlobalSight, became a leader in the multilingual content management space and was acquired in 2005. He has successfully raised investment capital from Silicon Valley VCs, global investors, corporate VCs, and Angels. He has also generated millions of dollars in revenue for clients worldwide. Jorden has developed and executed comprehensive market entry strategy for European, South American, and Asian high-tech companies entering the U.S. marketplace. Jorden has lived and worked in Asia and Europe and speaks Chinese and some French in addition to his native English. He has a B.S. in Astrophysics from Caltech, and a Masters in Physics from the University of Washington.



RADHIKA IYENGAR-EMENS

DoubleNova Group
Managing Partner

Radhika provides clients with full service business and marketing strategy for international business expansion, including U.S. market entry and expansion roadmaps. She has over 15 years of experience in marketing, working with technology companies of all sizes. Radhika has developed and executed comprehensive market entry strategy for European and Latin American high-tech companies entering the U.S. marketplace. She has significant experience in Health IT/Digital Health, Cloud, Big Data and Mobile spaces. Radhika has also been a high-tech entrepreneur in the Telecom space. A global citizen with experience in Asia, North Africa and the U.S., Radhika is savvy in international and multicultural contexts. She successfully leverages her multilingual talents in eight languages – English, French, Spanish, Italian, Portuguese, Arabic, and native languages Tamil and Kannada – to further clients' international business interests. Radhika has an M.B.A. from Chapman University and a Bachelors (A.B.) from Bryn Mawr College.

MENTORS



PATRICIA DINNEEN, PH.D.

Senior Advisor, Emerging Markets Private Equity Association (EMPEA)

Patricia (Pat) is currently a Senior Advisor at the Emerging Markets Private Equity Association (EMPEA) and Chair of EMPEA's Impact Investing Council. Before joining EMPEA in early 2014, she spent 9+ years as Managing Director at Siguler Guff & Company, a global private equity investment firm with over \$10 billion in assets under management. While at Siguler Guff, Pat built and managed the BRIC private equity business, focusing on Brazil, Russia, India, China and select frontier markets. She previously held positions at Cambridge Associates, British Telecommunications, Hughes Communications, RAND Corporation and the U.S. White House. Pat holds a B.A. from the University of Pennsylvania, a M.Sc. from the London School of Economics, and a Ph.D. from MIT. She is involved in multiple philanthropic, entrepreneurial and impact investing initiatives, including consulting and pro-bono work for faith-based organizations, primarily Catholic Relief Services where she serves as Board Member and Co-Chair of the Impact Investing Advisory Committee.



CHUCK EESLEY, PH.D.

Assistant Professor, Morgenthaler Faculty Fellow, Management Science & Engineering Dept., Stanford Technology Ventures Program

Chuck is a professor at Stanford University's Management Science & Engineering group, teaching and performing research on technology entrepreneurship so that the next generation of entrepreneurs can have the greatest chances of success possible. Before Stanford, Chuck earned his Ph.D. at the MIT Sloan School of Management and a B.S. in Biological Basis of Behavior at Duke University. Chuck is a mentor internationally through the U.S. State Department GIST program and has spent the past 10 years in and around startups, founding three of his own, is on the Board of three startups currently, has worked in a Duke neuroscience lab, started a biotech consulting firm, worked with two venture capital firms (Flagship Ventures and Lux Capital) and mentored startups in the MIT 100K and Clean Energy competitions.

MENTORS



KELLYE EVERSOLE

President, Eversole Associates

After working in the U.S. Senate on agricultural, environmental, trade, and budget issues for 10 years and serving two years as the head of a Federal study commission, Kellye established Eversole Associates. Eversole Associates specializes in domestic and international science and technology agricultural, environmental, and economic development issues and projects, assisting companies and industries in establishing long-term strategic visions. Kellye, a long-time advocate for agricultural biotechnology as a mechanism for enabling agricultural prosperity, serves as Executive Director of the Specialty Crop Regulatory Assistance initiative and Chief Science and Technology Officer of IE-Strategic Crop Services.



CAROLINA GARCIA RIZO, PH.D.

Business Development Executive

Carolina is a global multilingual executive with a dual scientific and business background and 15 years of experience in Diagnostics, Bioinformatics, Biotech and MedTech, focused in Personalized/Precision medicine. Carolina is very active in the entrepreneurial ecosystem of Silicon Valley, where she is a mentor in several incubators/accelerators. As Director, Business Development, Carolina has been heading the Companion Diagnostics projects of Roche Molecular with external Pharmaceutical companies, enabling personalized medicine. Prior to Roche, she worked at the Monitor Group, where she was an innovation consultant. Her primary areas of expertise were strategy and the creation of new businesses. She helped the leaders of Fortune 500 companies to set innovation strategies, find new growth opportunities and build sustainable innovation capabilities. Carolina holds a Ph.D. in Physical Chemistry/Atomic Physics, and an M.B.A. from MIT.



JEFF HOFFMAN

CEO, ColorJar

Jeff is a successful entrepreneur, proven CEO, worldwide motivational speaker, Hollywood film producer, and a producer of a Grammy winning jazz album in 2015. In his career, he has been the founder of multiple startups, he has been the CEO of both public and private companies, and he has served as a senior executive in many capacities. Jeff has been part of a number of well-known companies, including Priceline.com, uBid.com, CTI, ColorJar, and more. Today Jeff serves on the boards of companies in the US, Europe, South America, Africa, and Asia. He supports entrepreneurs and small businesses on a worldwide basis, serving on the global board of directors of Global Entrepreneurship Week (supporting entrepreneurship in over 130 countries), the U.S. State Department's GIST program, the APEC Startup Initiative (the Asia Pacific Economic Council's 21-member nation association), and many others.



CLAIRE LEE

Managing Director, Silicon Valley Bank

Claire is the head of Silicon Valley Bank's group dedicated to working with founders, entrepreneurs, and pre Series A companies. This team oversees strategic partnerships with leading accelerators, incubators, investment groups, entrepreneurial and industry groups that support founders at the early stage. Silicon Valley Bank works with more than 50 percent of the VC backed companies globally. Claire joined SVB in January 2014 from Microsoft Ventures, where she was a Principal in the new seed fund, evaluating and investing in early stage startups, working closely with the partners that incubate, invest in and support them. Prior to this Claire was part of the corporate strategy team that created and launched Microsoft BizSpark program globally, with a focus on Europe, Middle East and Africa. Her career began with IBM in Ireland.

MENTORS



NERMIN SA'D

CEO, Founder of Handasiyat.net and Smart Detection Bra

Nermin is the CEO Founder of Handasiyat.net, which is an award winning electronic engineering platform employing only Arab women engineers and serving in Saudi Arabia. Through the past three years the company has translated more than 10,000 pages in the engineering field into the Arabic language and produced more than 3,000 engineering layouts. Nermin is a fiercely independent woman, who recognizes the needs and struggles of the modern Arab woman. She was listed in the 2014, 2015 and 2016 "100 Most Powerful Arab Women" lists for her achievements and influence in her region. She is a Senior Mechanical Engineer with mini master degree in embedded devices and is a serial entrepreneur. She is now building a second company related to breast cancer early detection device, which is a personal wearable device that will send vital data for women's mobiles regarding their breast health. Nermin was the GIST Tech-I Outstanding Female Entrepreneur winner in 2013 in Malaysia.



CHRISTOPHER SCHROEDER

Entrepreneur, Advisor, and Investor

Christopher is a Washington, DC, and New York City-based entrepreneur and venture investor. He co-founded HealthCentral.com, one of the nation's largest social and content platforms in health and wellness. The company was sold to the health media publisher, Remedy Health, in January 2012, where Christopher remained a board advisor. Previously he was CEO of washingtonpost.newsweek interactive and LegiSlate.com, the b2b interactive platform on U.S. and state legislation and regulation that he sold in 2000. He currently is an active investor in and advisor to top U.S. venture capital funds and over a dozen consumer facing social/media startups. Christopher has written extensively about startups and technology in emerging growth markets for The Washington Post, Wall Street Journal, Fortune, AllThingsD, TechCrunch, Pando Daily, Harvard Business Review, and Business Insider among other publications. He graduated with honors from The Harvard Business School, and magna cum laude from Harvard College.



FAYSAL SOHAIL

Managing Director, Presidio Partners

Faysal became a venture investor in 2002 after 17 years of experience as an entrepreneur in Silicon Valley. He has led several investments in technology and energy space, including robotics, information security, energy, semiconductors and software. Before joining Presidio Partners, he helped build three companies in the Valley. Faysal seeks to combine his technology and start-up experience to help entrepreneurs build companies that make a significant impact. He is a guest lecturer at Stanford Graduate School of Business and U.C. Berkeley.



CYNTHIA TRAEGER

CEO, Pacific

Cynthia serves as CEO of Pacific, a technology holding company; and is also founder and President, VSI Pacific, whose key products provide data sonification and spatialization solutions for real-time applications. Most recently, Cynthia has been responsible for developing visualization-centric, sensor-fused location/motion solutions for Pacific's global private clients. She has a strong interest in marrying visualization, sensor-based localization and sonification technologies to support both research and commercial endeavors. Cynthia also serves as Director, Washington DC Founder Institute; advises the board LFS; and serves on the Board of Trustees, Harrisburg University of Science and Technology.



NAEEM ZAFAR

Entrepreneur, Educator, Author, Advisor

Naeem is a seasoned executive who has led several high-tech businesses as the CEO and guided dozens as a Board member or an advisor. Having co-founded or worked at seven startup companies, he is steeped in the Silicon Valley culture and promotes the lessons of Silicon Valley to organizations and entrepreneurs all over the world. Naeem's specialties include raising capital for startups, corporate strategy, product positioning, marketing, business development as well as M&A.

U.S. DEPARTMENT OF STATE GIST TEAM



JONATHAN MARGOLIS, PH.D.

Acting Deputy Assistant Secretary for Science, Space and Health in the U.S. Department of State's Bureau of Oceans and International Environmental and Scientific Affairs

Jonathan currently oversees policies and programs in the areas of international science and technology cooperation, space and advanced technologies, and international health and biodefense at the Bureau of Oceans and International Environmental and Scientific Affairs (OES), the latest position of his distinguished career within the State Department working in a number of divisions including: the Bureau of International Information Programs, the Office of the Director of Foreign Assistance, and the Office of Science and Technology Cooperation. He has also conducted courses at American University and the Foreign Service Institute on environmental policy, negotiations, and international organizations.



LISA BRODEY

Office Director, Office of Science and Technology Cooperation, Bureau of Oceans and International Environmental and Scientific Affairs, U.S. Department of State

Lisa is the director of the Office for Science and Technology Cooperation at the U.S. State Department, which fosters bilateral relations and scientific diplomacy in basic science, emerging trends in science and technology, innovation and entrepreneurship. She and her staff engage with science and technology experts in the United States to facilitate partnerships and robust dialogue with their counterparts throughout the world—in government, the private sector, universities and non-governmental organizations. Lisa is a Foreign Service Officer with over 20 years of experience in international diplomacy. She has worked extensively with the global environment, science, technology and health community and served for six years with the U.S. multilateral mission in Geneva, Switzerland—she was a principle negotiator in creating the Global Framework for Climate Services and, most recently, supervised U.S. teams engaging with the World Health Organization, the Human Rights Council and the International Labor Organization. Lisa has also served in U.S. Embassies in the Dominican Republic, Norway, Italy, Ethiopia, and Kosovo. Prior to joining the Foreign Service, Lisa was a documentary and news producer in Seattle. She has a B.A. in Anthropology from Vassar College.



SARA KLUCKING, PH.D.

Innovation and Programs Section Chief, Office of Science and Technology Cooperation, Bureau of Oceans and International Environmental and Scientific Affairs, U.S. Department of State

Combining her interest in science, international affairs, and economic growth, Sara currently leads the Innovation and Programs Section, a science diplomacy team operating at the intersection of science, technology, innovation, and entrepreneurship. Sara came to the U.S. Department of State from the Science and Technology Directorate of the U.S. Department of Homeland Security where she managed a diverse S&T portfolio of risk analytics, simulation modeling, and health security projects aimed at supporting science-based decision making for resource allocation. Her federal service began in 2006 as a AAAS Science & Technology Policy Fellow and included a year serving in the U.S. House of Representatives as a Brookings Institution Legis Congressional Fellow. Sara has a Ph.D. in viral immunology from Harvard University and a B.A. in philosophy and biology from Macalester College.



SARAH J. R. STATON, PH.D.

Innovation and Programs Deputy Section Chief, Office of Science and Technology Cooperation in the Bureau of Oceans and International Environmental and Scientific Affairs, U.S. Department of State

Sarah is currently an AAAS Science & Technology Policy Fellow. Sarah works to promote science, technology, and innovation entrepreneurship through international collaboration and education with a focus on women and underrepresented groups. She came to the Department of State from the Naval Research Laboratory. For her research she has been awarded the Fulbright Fellowship, Foreign Language and Area Studies Fellowship, and has generated multiple pieces of patented intellectual property. Sarah earned her Ph.D. in bioanalytical chemistry from Arizona State University and her B.A. in biochemistry from William Jewell College.

U.S. DEPARTMENT OF STATE GIST TEAM



HALEY SMITH

GIST Program Manager, Office of Science and Technology Cooperation, Bureau of Oceans and International Environmental and Scientific Affairs, U.S. Department of State

In her current position with the Global Innovation through Science and Technology initiative (GIST), Haley works with works with State Department implementing partners to host a series of technology Boot Camps for science and technology entrepreneurs in emerging economies. Haley came to the State Department after three years living in Dhaka, Bangladesh, where she worked on USAID's Political Party Strengthening Program for Democracy International. In this role, Haley developed a training program for grassroots political youth leaders, and a multiparty program to address the issues of political violence and dialogue in the country. Prior to DI, Haley spent two years in the Obama Administration working for former Secretary Steven Chu at the Department of Energy as his Director of Scheduling. In addition she also has spent several years on both sides of Capitol Hill and on campaigns. She holds a B.A. in Political Science from the University of South Carolina.



NATHANIEL SCHAEFFLE, PH.D.

Bilateral Relations Officer, Office of Science and Technology Cooperation, Bureau of Oceans and International Environmental and Scientific Affairs, U.S. Department of State

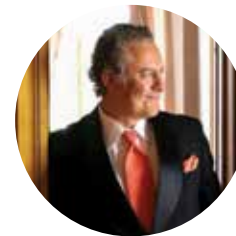
Nathaniel works in the U.S. State Department, where he has analyzed the role of transformational, emerging, and disruptive technologies for their potential impact in international relationships, including development, urbanization, and security, as well as worked to promote the importance of science and technology in building sustainable innovation ecosystems and cross border relationships that promote entrepreneurship and economic development. Nathaniel is currently in the Office of Science and Technology Cooperation, where he is on the team managing international bilateral Science and Technology relationships. Prior to coming to the State Department, Nathaniel was a Professor of Physical Chemistry, doing research into the fundamental properties of materials, and the connections between molecular level and macro-level properties.



PATRICIA HILL

Program Manager, Office of Science and Technology Cooperation, Bureau of Oceans and International Environmental and Scientific Affairs, U.S. Department of State

Patricia is a Foreign Service Officer in the Office of Science and Technology Cooperation, Bureau of Oceans and International Environmental and Scientific Affairs, U.S. Department of State. She previously served in Bangladesh as the press & information officer and in Italy as a consular officer. Prior to joining the State Department, Patricia was a consultant for nonprofit and academic organizations, with a focus on marketing communications and brand development.



OLTAC UNSAL

Senior Fellow for Innovation Finance, Office of Science and Technology Cooperation, Bureau of Oceans and International Environmental and Scientific Affairs, U.S. Department of State

Oltac is successful hands-on early stage technology investor with over 47 seed stage investments globally. An expert on and a practitioner of innovative financing methods, Oltac previously led the World Bank (infoDev) global innovation access to finance programs. Under his leadership, infoDev started its related programs and became a thought leader in the development community through innovative financing facilities such as accelerators, angel co-investment facilities, crowdfunding and other technical assistance for especially technology entrepreneurs. Oltac has also been active in the educational technology area for IFC (e.g. Coursera). He currently sits on the boards of various ed tech startups and is an adviser to George Mason University Education Design Lab in Washington, DC. Currently, Oltac is a virtual fellow exploring the promotion of angel investment networks in the Office of Science and Technology Cooperation at the U.S. Department of State.

AAAS GIST TEAM



RUSH D. HOLT, PH.D.

Chief Executive Officer and Executive Publisher, *Science* Family of Journals
American Association for the Advancement of Science)

Rush became the 18th chief executive officer of the American Association for the Advancement of Science (AAAS) and executive publisher of the *Science* family of journals in February 2015. In this role, Rush leads the world's largest multi-disciplinary scientific and engineering society. Over his career, Rush has held positions as a teacher, scientist, administrator, and policymaker. From 1987 to 1998, Rush was assistant director of the Princeton Plasma Physics Laboratory (PPPL), a Department of Energy national lab, which is the largest research facility of Princeton University and one of the largest alternative energy research facilities in the country. Rush then served for 16 years as a member of the U.S. House of Representatives, representing New Jersey's 12th Congressional District. Rush is a Phi Beta Kappa graduate of Carleton College in Northfield, Minnesota, and holds M.A. and Ph.D. degrees in physics from New York University.



EDWARD DERRICK, PH.D.

AAAS Network Outreach Advisor for GIST Tech-I
Director, Center of Science, Policy & Society Programs (CSPSP)

Edward is the Director of the Center of Science, Policy & Society Programs which bridges the science and engineering community on one side, and policymakers and the interested public on the other. The programs address an array of topics in science and society, including the interplay of science with religion and scientific responsibility, human rights, and law; they also connect scientists and policymakers through programs in science and government, including the S&T Policy Fellowship program; and help improve the conduct of research through peer review and discussion of standards of responsible conduct. As chief program director, Edward oversees the programs, which combined have a staff of about 50 and an annual budget of over \$20 million, and serves as a member of senior management at AAAS.



CHARLES DUNLAP, PH.D.

AAAS Program Director for GIST Tech-I
Program Director, Research Competitiveness Program (RCP)

Charles has worked for nearly two decades leading programs to strengthen and support research competitiveness in science and technology in the U.S. and 24 countries. Among the programs he has created and overseen are >20 international, U.S. merit-reviewed grant competitions; science policy conferences in Saudi Arabia, Moldova, and Azerbaijan that brought together leaders from >35 countries; international science funding agency symposia with the U.S. National Science Foundation for funding agencies from 23 countries; career skills workshops in 17 countries, directly training >4,200 researchers; and national digital library programs in nine countries.



ANNETTE OLSON, PH.D.

AAAS Competition Evaluation and Oversight Advisor for GIST Tech-I
Senior Program Associate, Research Competitiveness Program (RCP)

Annette is a Senior Program Associate in the Research Competitiveness Program (RCP), which is part of the Center of Science, Policy, and Society Programs (CSPSP). She helps universities, research consortia, foundations, agencies, and state governments strategize about research implementation and sustainability, primarily by leading scientific panels that assess and provide guidance on-site. She further manages the design and execution of small- to large-scale proposal reviews for funding competitions in research and innovation. Prior to coming to AAAS four years ago, Annette served as a scientific advisor, outreach specialist, project manager, and strategist for 15 years to federal agencies, primarily the Smithsonian Institution and then the U.S. Geological Survey.



BRANDON VAN HOFF

AAAS GIST Tech-I Project Director
Program Associate, Research Competitiveness Program (RCP)

Brandon is a Program Associate in the Research Competitiveness Program (RCP). His primary focus is helping to execute the GIST Tech-I Competition an annual competition for science and technology entrepreneurs from emerging economies worldwide. Brandon holds a B.A. in Political Science and European Studies from the University of Washington and an M.A. in European Studies with a concentration on comparative politics from Georgetown University's School of Foreign Service.



LESLIE WALCZAK

AAAS GIST Tech-I Deputy Project Director
Program Associate, Research Competitiveness Program (RCP)

Leslie is a Program Associate with the Research Competitiveness Program (RCP). Her primary role at AAAS is assisting in the promotion and implementation of the GIST Tech-I Competition. Prior to joining AAAS, Leslie led youth cyber security workshops and helped administer national K-12 STEM education competitions.



BETHANY SPENCER

AAAS GIST Tech-I Meeting Planner
Center Administrator

Bethany is the Meeting Planner and Center Administrator for the AAAS Center of Science, Policy, and Society Programs (CSPSP). She provides her expertise to more than forty meetings and events each year, and in 2015 traveled to the Tech-I Finals at the Global Entrepreneurship Summit in Nairobi, Kenya.



GSVLABS

GSVlabs is a Silicon Valley incubator for global innovation, operating out of a 72,000 square foot facility in Redwood City, California. It facilitates collaboration among startups, corporations, academia, and government organizations around common objectives. GSVlabs has several theme wsustainability, entertainment, mobile and educational technology. GSVlabs connects entrepreneurs and organizations to the Silicon Valley ecosystem.



DOUBLENova GROUP

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