

Young Green Tech Entrepreneurs Forum

San Francisco 

September 12th, 2018

01

YGT Projects Showcase Plan

The Projects Showcase is a major component of the Young Green Tech (YGT) forum. Screening projects with our partners from both the U.S. and China, YGT will present the showcase of the final 6 projects (three projects from each country) in the morning of September 12th. All the projects will be judged and scored by a panel of experienced business leaders and environmental experts based on criteria such as: idea, product and service, execution plan, management team and social influence. The judge group consists of 5 judges. All judges should aim to identify the highest-potential, highest-impact programs.

Host



Gary Hirshberg

Gary Hirshberg is chairman and former president and CEO of Stonyfield Farm, the world's leading organic yogurt producer based in Londonderry, New Hampshire. He has been at the forefront of movements resolving for environmental and social issues.

03

02

Event Agenda

Time	Session Details
8:00 - 9:00	Arrival, Registration and Refreshments
9:00 - 9:45	Introduction <ul style="list-style-type: none"> • Orville Schell (5 mins) Keynote Speech (25 mins) <ul style="list-style-type: none"> • Amory Lovins • Wang Shi Special Talk (15 mins) <ul style="list-style-type: none"> • Wang Shi
9:45 - 12:00	Finalists Showcase (25 mins*5) <ul style="list-style-type: none"> • Host: Gary Hirshberg Introduces the presenters and organizes the Q&A sessions • 5 Presenters 5 mins presentation + 20 mins judges Q&A for each presenter

Guest Speaker



Amory Lovins

Amory Lovins is the cofounder, Chairman Emeritus, and Chief Scientist of Rocky Mountain Institute. Also, he is the advisor to major firms and governments for 40+ years in 60+ countries, including China, on advanced energy and resource efficiency and on energy's links to economy, security, development, and environment; author of 31 books and over 600 papers; and a practitioner of integrative design for advanced energy efficiency in buildings, vehicles, and industry.

04



WANG Shi

He is the Founder and Honorary Chairman of China Vanke Co., Ltd. Under his leadership, Vanke has grown into the world's largest residential home developer with an annual revenue over \$34 billion globally, and China's pioneer in green home construction.

Judges



Dan Kalafatas

He co-led the formation of 3Degrees. Under Dan's leadership as CEO, 3Degrees officially became a Certified B Corporation in California. He is also on the advisory boards of Northern Arizona University's Masters in Climate Science and Solutions program and the National Professional Science Master's Association.



Nancy Pfund

She is Founder and Managing Partner of DBL Partners, a venture capital firm whose goal is to combine top-tier financial returns with meaningful social, economic and environmental returns in the regions and sectors in which it invests.



Vishal Vasishth

He is a co-founder of Obvious Ventures. The fund will invest in world positive technology companies across three themes: Sustainable Systems, Healthy Living & People Power.



WANG Shi

He is the Founder and Honorary Chairman of China Vanke Co., Ltd. Under his leadership, Vanke has grown into the world's largest residential home developer with an annual revenue over \$34 billion globally, and China's pioneer in green home construction.

Presenters



Shutong Liu

He graduated from VU University Amsterdam, has a master's degree in Environment & Energy Management Studies. After accomplished his master degree, he joined SkyNRG- the world first Bio jet fuel provider who supplied KLM with bio jet fuel made from "used cooking oil". Later when he found out about the problem of used cooking oil in China, he decided to move back to

China to solve the problem. In 2015, Shutong founded MotionECO, a company focus on providing sustainable transportation. In order to promote low-carbon fuels in China, efforts were made by working on projects that convert the local used cooking oil into biofuel which can be used on local buses. He believes these efforts can help to solve the food safety and environmental problems in China.



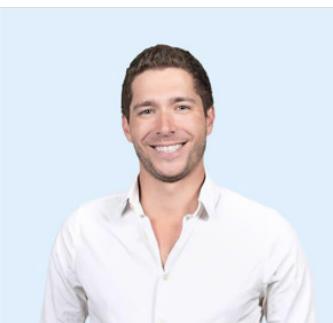
Brent Constantz

Brent Constantz is serial Silicon Valley entrepreneur who founded and led as CEO: Norian Corporation 1987- 1998, Corazon Technologies 1998- 2002, Skeletal Kinetics 2002-2007, Calera Corporation 2007 -2010, DeepWater Desal 2011-date, and Blue Planet 2012- date. Dr. Constantz is the inventor on over 100 issued US patents, with over 100 more currently pending. He is a Consulting Associate Professor at Stanford University, where he teaches

biomineralization. Constantz discovered the basic process used by corals to form their skeletons in the 1980s, which he based modern biological bone cements on, which are found in most operating rooms around the world that perform orthopedic surgery. In 2007, he launched his efforts to address climate change by sequestering anthropogenic carbon dioxide as building materials, specifically concrete. In 2012, he brought a new discovery of basic biomineralization to practical reality with a scalable solution that can address climate change in an economically and technically sustainable manner. A Fulbright Scholar, Dr. Constantz has been awarded many grants from governments, including the US, Canada, and Australia, has testified before both the US Senate and the House of Representative about solutions to Climate Change, has won a number of awards and honors, and regularly contributes to philanthropic causes.

**Xia Li**

She obtained her master degree from Ursuline College majoring in Business Administration, she is a young entrepreneur and the founder of a solar company dedicated to supply BoP (bottom of the pyramid) people with high-quality and affordable solar solutions. Her works are contributing to the realization of the UN Sustainable Development Goals (SDG) in areas of Affordable and Clean Energy (SDG 7) and poverty alleviation (SDG 1). Over the past 9 years, her company has delivered more than three million solar lightings to the BoP people. Now she is working on a project to facilitate the BoP people to get education and information in an innovative way which will allow BoP people to find more ways to increase income and enhance their lives.

**Sean Wihera**

He is the Director of Business Development with Clarity Movement, a Berkeley-based startup providing real-time, street-by-street air quality data to cities around the world. Developed jointly by Clarity and Ramboll, BRAQSTM (Bi- Modal Real-Time Air Quality Solution) has proven its flexibility to adapt to different scenarios. With a densely deployed micro air quality monitoring station, Clarity Node, and scientifically proven Sirane-RTTM modeling, BRAQSTM provides customers with the world's highest precision air quality data and analysis with an accuracy of up to 10x10 meters. The program not only helps customers to understand the air conditions in the area, but also provides further in-depth analysis, such as air pollution source analysis, hot spot analysis, air quality prediction, and policy performance simulation. So far, Clarity's solutions has been applied in 30 countries and 30 cities around the world, such as Paris, London, Milan, Singapore and more.

**Xi Wang**

She obtained her master degree from Georgetown University majoring in Communication, Culture and Technology. During her three-year stay in the US, she was invited as an overseas journalist from 36Krypton and Phoenix Technologies to interview the founders of Airbnb, GoPro and other companies in Silicon Valley. Also, she was invited as an overseas researcher for CCTV's annual documentary "The Glory of Innovation" to plan and organize an exclusive interview with Mark Zuckerberg. Xi Wang has been interested in trash problem since her childhood. She founded VLOOP aiming to generalize more reusable options instead of disposable options. Currently, package delivery disposable plastic bag is VLOOP's first problem to tackle.

The Young Green Tech Entrepreneurs Forum (YGT)

YGT is a forum co-hosted by Asia Society's Center on U.S.-China Relations, C Team and Center for Resource Solutions. YGT aims to create an international and diversified platform for the youths of China, the U.S. and other countries in the world to show their innovative thoughts and efforts in the field of environmental protection. The forum seeks to bring together academic experts, philanthropic partners, investors, and entrepreneurs that are devoted in the area of climate change across the globe. In today's fast-changing world of international relations, we firmly believe that 1) Climate change is a global issue that is affecting everyone on the planet. It is the easiest topic for all human beings to reach a consensus. 2) The participation of youths not only offers fresh perspectives and resolutions but it also strengthens the foundation for the occurrence of future global dialogues and cooperation. 3) Innovation is an especially crucial characteristic of this era. By assisting early-stage incubators, we are intended to encourage more innovative ideas and solutions to be offered.

YGT aims to guide the public to focus on the urgent environmental issues in this era while demonstrating what innovative plans have been brought by the youth through holding annual forums in both China and the U.S. In September 2018, YGT will be unveiled for the first time as one component of the COAL+ICE series exhibition held in San Francisco. Moving forward, YGT is planned to be conducted in China next summer for its second round.

Partners



Center on U.S.-China Relations at Asia Society: In seeking new ways of building mutual understanding between the U.S. and China, the Center, founded in 2006, is undertaking projects and events

which explore areas of common interest and divergent views between the two countries, with its focus being on the policy, culture, business, media, economics, energy and the environment.



C Team, aka. China Champions for Climate Action is a non-profit organization initiated by Mr. Wangshi, founder of Vanke, China's leading real estate company. Established in May 2017, C Team is committed in supporting Chinese entrepreneurs to build leadership in climate action, promoting green innovation and transformation, exploring low-carbon development mode, and promoting sustainable development and ecological civilization. The work of C Team includes advocating businesses to make effective policies to tackle climate change, organizing international exchange and collaboration to enhance entrepreneurs' green leadership, organizing events for COP's China Pavilion to tell the China Stories, and localizing the Clean Cookstove project initiated by UN Foundation, etc.



Center for Resource Solutions (CRS) is a U.S.-based global NGO focused on creating policy and market solutions to advance sustainable energy. Founded in 1997, CRS is a proven international leader working to mitigate climate change via forward-thinking sustainable economic development strategies, energy policy collaboration, and real-time expert assistance. With over 15 years experience working with public and private stakeholders to design, optimize, promote transformative clean energy policies and programs, and offering technical assistance engagements internationally, CRS's innovative projects help to significantly reduce carbon emission, fossil fuel dependence. These efforts in addition increase local job development by increasing the supply, demand, and consumer confidence in renewable energy and carbon emission reductions.



Vanke Foundation, initiated by China Vanke CO., LTD. and founded in 2008, is a national private foundation approved by the State Council and the Ministry of Civil Affairs of China and supervised by the Ministry of Civil Affairs. Vanke Foundation has been certificated as a charitable organization since 2017. Being future-oriented pioneers, Vanke Foundation addresses issues with a profound impact on the future, aims for sustainable communities, and promotes environmental protection and community development.



Bluetech Clean Air Alliance (BCAA) is a non-profit professional organization focusing on the development of clean air technologies and industries in China and the world through technology transfer, technology assessment and demos, investment service, IP protection, and policy research. BCAA is evolved from the Clean Air Alliance of China, an integrated platform launched in 2013 by 10 leading Chinese research institutions to tackle China's severe air pollution problem. Over five years' operation, the Alliance has conducted and participated in various clean air research projects, carried out pilot projects in 10 provinces and cities in China, published 46 policy and market research reports, assessed over 200 advanced clean air technologies from 16 countries, and established collaborations with partners across 20 countries.



Fosun International Limited is a family-focused multinational company that has been listed on the main board of the Hong Kong Stock Exchange (00656.HK) since 2007. Founded in 1992, Fosun International's total assets exceed RMB560 billion (c.US\$85 billion) as of 30 June 2018. With its roots in China, and through technology and innovation, Fosun's mission is to create customer-to-maker (C2M) ecosystems in health, happiness and wealth, providing high-quality products and services for families around the world.

Fosun Foundation's Protecting Program





Appendix B

BCAA Intro and 2017 Progress



6 REPORTS

Knowledge Series



Management of Disaggregated Coal and Clean Heating Guideline

The project -- management of disaggregated coal and clean heating in Beijing-Tianjin-Hebei and the northern regions -- was commissioned by the Beijing Municipal Environmental Protection Bureau, and developed by the Innovation Center for Clean-air Solutions and Beijing Municipal Research Institute of Environmental Protection. The guideline was an achievement of the project, summarizing the approaches of clean heating, the governance of disaggregated coal, the implementing principle and overall schemes to support relevant departments to carry out clean heating work during winter season.



VOCs Online Monitoring System Assessment Guideline

Volatile organic compounds (VOCs) are organic chemicals that have a high vapor pressure at ordinary room temperature. Not only do they have adverse health effects towards people, but also are key precursors and participants of the severe regional and complex air pollution in China. This guidance is the first framework documents for VOCs online monitoring in China. Based on the successful experience of conducting VOCs monitoring in cities like Shanghai and Shenzhen, the Guidance establishes the fundamental methods for system assessment, supports the management of monitoring system, and promotes the standardization of procedures and techniques in the field.



City Air Quality Attainment Planning Manual

This manual is developed by the Clean Air Alliance with the reference of international and domestic experience and with contribution from leading air quality management experts from Academy of Environment Planning of Ministry of Environmental Protection, China Research Academy of Environmental Science and Tsinghua University, to support cities to set up long term air quality management mechanism and compile their air quality attainment plans. The manual also covers many more management details on revolutionary progress in management mechanism and introduces a series of air quality measurement and customized technical solution in city air quality management.



7 ACTIVITIES

Bluetech Award

Bluetech Award was founded by the Clean Air Alliance to seek and promote the best available clean air technologies around the world. With the support from BCAA experts and partner organizations, the Bluetech committee gathered and examined technologies from various countries with a standardized assessment methodology to measure breakthrough potential in terms of environmental impact, technological performance, and financial viability, based on real-life, practical results. Ultimately, the campaign will enable winners to accelerate the application of their technologies in the Chinese market via technology demonstration, customized matchmaking, tapping into BCAA's network and leveraging their tools to help China battle air pollution.



In April 2017, Clean Air Alliance launched the 3rd Bluetech Award. The award categories includes: diesel engine emission reduction technologies & clean energy substitutes, Coal boiler emission control & clean energy substitutes for non-electricity generation, VOCs substitution, monitoring and pollution prevention, Indoor air quality monitoring and air purification and Ultra-low emission control for coal-fired power plants. There were 63 applicants from 13 different countries. After the assessment, the committee selected 17 finalists and 6 winners to be promoted at the award ceremony.

Highlights of 3rd Bluetech Award :

Award Categories Match the Need to Support Local Implementation.

Since 2014, Clean Air Alliance has carried out several clean air management pilot projects in 10 provinces and cities including Beijing, Tianjin, Guangzhou, Jiangsu, Shanxi and Shenzhen. The technology categories of the 3rd Bluetech Award are closely connected with the technology need of the pilot projects.

More Innovative Applications from More Countries

Since 2015, the Bluetech Award has gathered almost 200 applicants from 16 different countries including China, America, Germany, England, Japan, New Zealand, Australia, Swiss, Denmark, Netherland, Sweden, Israel, Malaysia, Norway and Canada. Moreover, the 3rd Bluetech Award has gathers more revolutionary technologies, such as reusable HEPA filter, drone monitoring ocean-going freighter emission and quantitative infrared ray monitoring for VOCs, and etc.

Professional Assessment

The award uses the clean air technology assessment methodology to examine real-world results, analyzing environmental benefits, technological performances and financial viabilities to find breakthrough potentials.

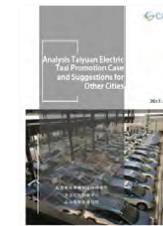
Overall popularization

As organizer, the Clean Air Alliance provided ample support to help the winners accelerate their business on the ground and contribute to the air quality management in China with joint efforts. Followed by the announcement, the winners will soon receive opportunities of systematic technical demonstration, project docking and promotion.



Analysis Taiyuan Electric Taxi Promotion Case and Suggestions for Other Cities

Follow the national energy and industry structure reform trend, Taiyuan creatively replaced its all 8292 taxis by electric cars, which has become the first city in China, and even the first city in the world with its taxi fleet fully electrified by 2016. The suggestions systematically analyzes Taiyuan's progress and experience on the promotion of electric vehicles for the first time, which will provide reference to other cities for their industrial structure reform and clean development.



Clean Air Management Report



China Air Quality Management Assessment Report (2017)

The report analysed the air condition, emission control, air quality management and the difficulties of air pollution management of different provinces and cities in 2016, offering support to the implement of scientific and systematic air management.

Local Air Quality Management Assessment Report

In 2017, the alliance also released clean air management reports of Shanxi, Changzhou, Shenzhen and Xinzhou.



Bluetech International Clean Air Conference

The 3rd Bluetech International Clean Air Conference, hosted by Clean Air Alliance, was held in Beijing on December 14th, 2017. The conference focused on air quality improvement and aimed to address the policy, technology, funding and management aspects of air pollution.



The conference also set up four sub-forums, namely the disaggregated coal management and clean heating in Beijing-Tianjin-Hebei and northern areas, the innovative monitoring technology, clean air project financing, and innovative clean air technology, which focused on key issues of air management and provided a platform for technology exchange and discussion.

Bluetech Forum Related Events: Clean Air Alliance has organized clean air technology docking activities in Shenzhen and Shanxi, providing opportunities for Bluetech winners to cooperate and contact with experts, local government, local enterprises and other market demanders.



A Clear Opportunity: U.S -China Collaboration on Clean Air

On Mar. 28th, Asia Society and Clean Air Alliance co-organized a seminar in San Francisco discussing US-China collaboration on clean air. The seminar gathered around 100 participants, including governors, Chinese and international experts, technology companies and media. The information of clean air technology and policy were well exchanged at this event, which led to further exploration of potential partnership.



Trainings

☆ ABaCAS Conference (2017)

The Air Benefit and Cost and Attainment Assessment Conference (ABaCAS 2017) was held on July 4th, 2017 in Chengdu, Sichuan, China. The conference attracted more than 280 experts, decision makers, relevant workers in environmental and atmospheric field, as well as leaders and staff from Sichuan Province Environmental Protection Agency. This conference is supported by Ministry of Environmental Protection, US Environmental Protection Agency, Energy Foundation (US), and Clean Air Alliance.



☆ Urban Air Quality Attainment Plan Training

In order to promote the next step of air quality management plan and collaboration, Clean Air Alliance, together with Sichuan Province Academy of Environment Planning and Tsinghua University, held the training workshop on city air quality management plan in Sichuan on July 5th, 2017.

More than 100 representatives from international and domestic experts attended the workshop and discussed issues on how to implement relevant policies according to the Air Law, and how to support the urban air quality to attain the standard. The workshop introduced the air quality improvement strategy of the 13th Five-Year plan, technical guideline for urban air quality attainment planning, key technologies, tools (emission inventory, ABaCAS model, air quality model and source identification) and other experience from foreign countries. It aimed to provide guidance for the planning of air quality improvement strategy of local governments.



Bluetech Media Seminar

The Bluetech Clean Air Media Seminar is jointly held by China Environmental Education Center and Innovation Center of Clear-air Solutions (ICCS). It invites domestic and foreign experts, representatives from governments, agencies, media organizations and people who are interested in policies. It aims to spread cutting-edge experience with the participation of media organizations and to promote air quality improvement and create better public opinion atmosphere.

On August 29th, 2017, Taiyuan Urban Planning and Design Institute, the Secretariat of Clean Air Alliance and Shanxi Environmental Planning Institute jointly issued a report called "Analysis Taiyuan Electric Taxi Promotion Case and Suggestions for Other Cities" in the 4th "Bluetech" Clean Air Media Seminar. The Suggestions systematically analyzes Taiyuan's progress and experience on the promotion of electric vehicles for the first time, which will provide reference to other cities for their industrial structure reform and clean development.

China Air Quality Management Assessment Report 2017 was released at the 5th Bluetech Clean Air Media Seminar on September 27th, 2017.

The 3rd Bluetech Clean Air Media Seminar was held during the 3rd Bluetech International Clean Air Conference on December 14, 2017. Experts were interviewed by several domestic and foreign media organizations. Based on the questions, the experts gave objective reviews on China's efforts on air management and current situations.



4th, 5th, 6th Bluetech Media Seminar

☆ Asian Development Bank Jing-Jin-Ji region air management technology workshop:

The International Workshop of Planning and Policy Recommendations for Air Pollution Prevention and Control in Jing-Jin-Ji and Surrounding Areas was held by ADB in Beijing on 2-3 March 2017. Representatives from Environmental Protection Departments/Bureaus in the Greater BTH, Research Academy of Environmental Sciences in the Greater BTH, Environmental Protection Bureaus in 26 BTH air pollution airshed cities, the central government agencies, NGOs and other donors participated in the workshop. Clean Air Alliance of China was invited to the workshop as the keynote lecturer, and gave a speech titled Domestative Assessment Model of Air Pollution Control Technology.

☆ Other training sessions and activities with:

- ◎ Shanxi clean heating and attainment plan training
- ◎ Support RTI VOCs seminar
- ◎ MEP VOCs training
- ◎ Jing-Jin-Ji VOCs pollution prevention and monitoring technology development seminar
- ◎ College Training (Peking University)

Clean Air Investor Salon

Clean Air Alliance initiated Clean Air Investor Salons to foster an environment that encourages investment into technologies and projects that support air pollution prevention and control technologies, and to present tools that can help systematically assess financial opportunities and government policies. On April 27th, 2017, sponsored by the Clean Air Alliance, the Clean Air Innovation Center and ECOTECHCHINA hosted the 7th clean air investor salon and the 3rd Bluetech Award introduction Seminar in Beijing. The seminar emphasized on introducing the application, assessment and dissemination activities of the Bluetech Award. Senior patent experts, representatives of technology companies, the China Environmental Protection Industry Association, the Beijing Academy of Environmental Sciences and media attended the salon.



7th Clean Air Investor Salon



7th Clean Air Investor Salon

