

Innovation @ Berkeley

Garwood Center for Corporate Innovation
Haas School of Business, University of California, Berkeley

SPRING 2016 ISSUE



A WORLD WIDE NETWORK OF OPEN INNOVATION EXPERTS

2nd Annual World Open Innovation Conference

The 2nd Annual World Open Innovation Conference, held in Silicon Valley on November 18-20, 2015 brought together leading academic scholars and prominent business practitioners. This sold out three-day event hosted over 170 dynamic industry and academic leaders for an opportunity to dialogue about Open Innovation. In its second year, the World Open Innovation Conference served as a unique space to network, collaborate, and learn about the latest Open Innovation research and practices. Industry leaders had an opportunity to submit business problems prior to the event. Each problem was evaluated by industry and academic leaders; solutions were proposed by selected experts in the field of Open Innovation. [Read more on page 3](#)



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10TH ANNIVERSARY, BERKELEY INNOVATION FORUM

Fall 2015, The Past, Present, & Future Of Open Innovation



Professor Henry Chesbrough was officially made "Lord" by our UK members of Lancaster University under the "Lord of the Manor" provision granted by the United Kingdom. A hilarious ceremony was staged in the Berkeley tradition to celebrate the event featuring Solomon Darwin as the Maharishi as student riots broke out; some for, and others against Open Innovation. Maharishi brings peace and pronounces Chesbrough as "Lord Henry." The 10th Anniversary of Berkeley Innovation Forum gathered members to discuss the past, present and future of Open Innovation.

OPEN INNOVATION IN INDIA

Underdeveloped & Developed Countries look to Open Innovation for Solutions



INDIA EMBRACES OPEN INNOVATION



"2016: The year of education, research and innovation" according to the British Council.

The very first center for Open Innovation in Andhra Pradesh, India, opened on January 10, 2016, it was established by N. Chandrababu Naidu, Chief Minister of Andhra Pradesh. Mr. Chandrababu Naidu has been a forerunner in the field of innovation, and has extended his undivided attention and support to the project's initiation. The center will focus on Smart City development, and is a direct result of the multidisciplinary course taught by Professor Darwin (Berkeley-Haas), in collaboration with Ken Singer and Ikhlaz Sidhu from the School of Engineering at UC Berkeley. The course objective was to apply Open Innovation in the development of Smart Cities. As a result, more than 30 students from UC Berkeley travelled to Andhra Pradesh to pitch their final Smart City frame works on: energy, education, food and water, safety and security, and housing and transportation.



US GOVERNMENT (USTDA) EMBRACES OPEN INNOVATION



Henry Steingass,
Regional Director
for South and
Southeast Asia



USTDA Officials and their Indian counterparts took a short course on Open Innovation at Berkeley-Haas to develop effective processes that will enable them to build better Smart Cities in India. Henry Steingass, USTDA Regional Director for Southeast Asia, brought the team to Berkeley-Haas to learn about Open Innovation. Mehnaz Ansari, from USTDA, who directly works with Steingass, completed the India Overseas Executive Education Course in December. She was instrumental in introducing Open Innovation to the USTDA, and establishing connection between the US and India. During their visit, officials solicited advice from Berkeley-Haas faculty related to building Smart Villages and Smart City project challenges.



ACCELERATING MARKETS TO INDIA

India is rapidly becoming the launch pad for the emerging global market. In December 2015, the Overseas Executive Management program in India hosted by AIMA (All India Management Association) and the Garwood Center, gave executives an opportunity to meet with multinational corporations, as well as leaders within business, education, and government sectors. The program concluded with a roundtable event. The Honorable President Pranab Mukherjee was presented the Garwood Award for his outstanding leadership in Open Innovation. The event hosted Berkeley-Haas faculty, including Prof. Ganesh Iyer and Prof. Catherine Wolfram.

Technology and Innovation Center

OPENING CEREMONY

November 25th, 2015



OPENING OF DAIKIN TECHNOLOGY AND INNOVATION CENTER

OSAKA, JAPAN

On November 25, 2015, Daikin held an opening ceremony for its new Technology and Innovation Center (TIC) established within Yodogawa Plant in Settsu City, Osaka. Professor Henry Chesbrough led a workshop on Open Innovation, which will be one of the pillars for managers working in the Technology and Innovation Center. The TIC serves as a core facility for technological research and development (R&D) conducted by the Daikin Group, and is part of a global expansion of the company's operations. More than 300 Japanese and overseas customers were invited to the opening ceremony.

CHIEF INNOVATION OFFICER'S ROUNDTABLE: MARCH 4, 2016 : BERKELEY-HAAS



SHIFTING TO THE POWER OF PULL

BerkeleyHaas
SIEMENS

Guest Speaker:

John Hagel, CEO, Deloitte

Hosts:

Solomon Darwin, Berkeley-Haas
Chenyang Xu, Siemens

CHIEF INNOVATION OFFICER'S ROUNDTABLE: APRIL 1, 2016 : GOOGLE



BUSINESS ECONOMICS & INTERNET ACCESS IN THE EMERGING WORLD

Google

Guest Speakers:

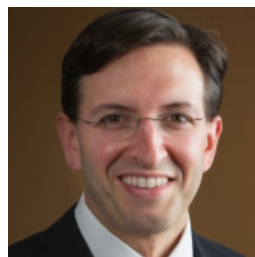
Mike Cassidy, CEO of Google [x] Project Loon

Mahesh Krishnaswamy, Head of Project Loon, Google [x]

Host: Google



A few of our keynote speakers:



Amir Dan Rubin
President & CEO
Stanford Health Care



Sangita Reddy
Managing Director
Apollo Hospitals



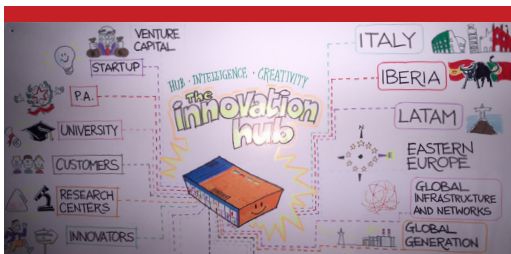
Piyush Modi
Head of Collaboration
& Mobile Lab, GE



Gurvinder Ahluwalia
CTO, Cloud Computing
IBM

A WORLD WIDE NETWORK OF OPEN INNOVATION EXPERTS [Continued]

The 2nd Annual World Open Innovation Conference hosted industry professionals from world-renowned companies. The pre-conference event began with a tour of the Google Headquarters, followed by an invigorating talk from Mahesh Krishnaswamy about Google [x] Project Loon. The connection between Google's current innovation projects and Open Innovation was highly noted, and led to thought provoking questions from the audience. This event set the tone for the conference, which was brought to completion with a closing reception at Fujitsu's Open Innovation Gateway.



ITALY November 2015



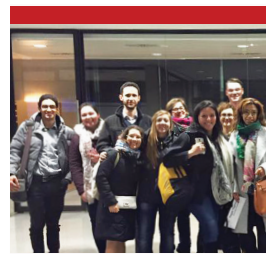
Henry Chesbrough discussed case studies on Open Innovation in the energy sector at Enel, a utility company in Roma, Italy.



AUSTRIA December 2015



Professor Henry Chesbrough visited Vienna University of Economics and Business (WU) for a special presentation on Open Innovation.



SPAIN January 2016

Professor Chesbrough taught PhD in Management on Open Innovation & Open Business Models at ESADE, Barcelona, Spain.

INTERNATIONAL COMPANIES VISITED BY GARWOOD LEADERS



GARWOOD FACULTY



..... OUTBOUND VISITS
 ——— INBOUND VISITORS

INTERNATIONAL VISITS



DENMARK November 2015



Marcel Bogers from the University of Copenhagen, Denmark gave a presentation on Food Innovation at Berkeley-Haas.



BRAZIL February 2016

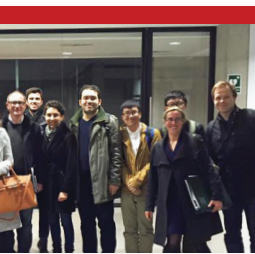


Aviation company, Embraer attended a one day seminar at Berkeley-Haas to learn more about Open Innovation.

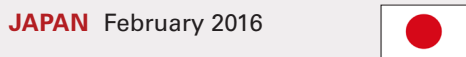


USA February 2016

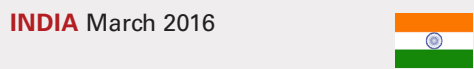
USTDA, represented by the Andhra Pradesh Government Smart Village team met with Garwood faculty to discuss Smart Village initiatives.



16
 and Wim Vanhaverbeke
 ment Sciences Seminar
 Open Business Model at
 gain.

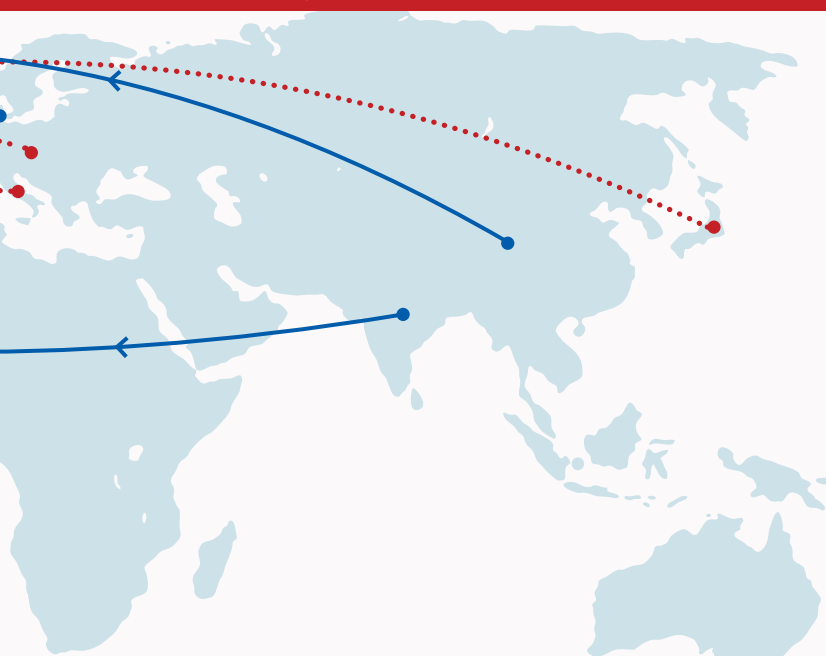


Professor Henry Chesbrough gave Open Innovation workshop at Daikin, for the grand opening of Daikin technology and Innovation Center in Osaka, Japan.



Professor Solomon Darwin met with President of India, Pranab Mukherjee, and discussed the future of Smart Villages in India.

Y INVITED TO SPEAK

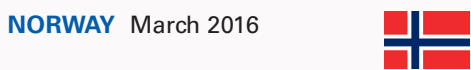


TORS TO GARWOOD

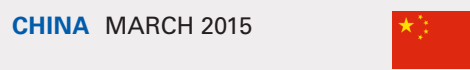
INTERNATIONAL CORPORATE VISITORS TO GARWOOD



y Mehnaz Ansari,
 nment Officials, and
 t at Berkeley-Haas
 initiative in India.



Executives from BI Norwegian Business School attended Prof. Darwin's one-day seminar on Prototyping Business Model Solutions for Smart Villages at Berkeley-Haas.



The largest construction company in China visited Berkeley-Haas for insight on how to build Smart Cities with a sustainable business model leveraging Open Innovation.

FACULTY ACCOMPLISHMENTS

VISITING SCHOLARS



DR. CHEN

DIRECTOR, DEPARTMENT OF MICROECONOMICS

Dr. Chen, who reports to the Board of China, will be collaborating with the Garwood Center to help China's Smart Village initiative – prototyped by India. China follows the lead on opening up with Open Innovation.



MANAV SUBODH

COFOUNDER OF 1M1B (1 MILLION FOR 1 BILLION)

Manav's global initiative is to activate a million entrepreneurs to create jobs for a billion people. He is a Garwood Innovation Fellow for the year 2016 and is helping establish ties between the US and India.



GUNSO KIM

FORMER ASSISTANT MAYOR, SEOUL CITY GOVERNMENT

Gunso successfully completed the Garwood Innovation Fellow Program at the end of 2015. He is starting a new venture in Palo Alto, Booja Technology, a start-up that creates an investment fund using Artificial Intelligence



HENRY CHESBROUGH

HONORED BY THINKERS 50

#24 2015

For the 3rd consecutive time, Professor Chesbrough was shortlisted as top thinkers on innovation, Thinkers50. This year he ranked #24.

HENRY CHESBROUGH



AMONG TOP 70

HIGHLY CITED ECONOMIC & BUSINESS RESEARCHERS

Google Scholar

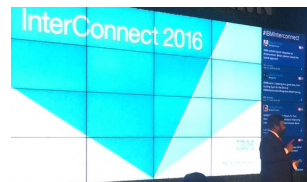
40,000+ citations

Citation indices	All	Since 2011
Citations	40786	28177



BERKELEY-HAAS TIES TO INDIA DEEPEN

Professor Solomon Darwin and Berkeley-Haas Faculty including: Professor Ganesh Iyer, Professor Catherine Wolfram, and Manav Subodh, presented President Pranab Mukherjee with the Garwood Award for his outstanding leadership in Open Innovation. Berkeley-Haas faculty shared their current research and activities in India.



IBM InterConnect 2016

Professor Darwin was invited to be a keynote speaker at the Smart Cities and Smart Village session at IBM Las Vegas. At the end of the session, the winner of the best Watson/Blue-mix Award was announced to the Safety & Security Team from the Smart Cities Course, Fall 2015. Students received a \$5K scholarship.



OPEN INNOVATION RESEARCH



CONNECTING WITH HENRY CHESBROUGH

ESADE

At the 15th anniversary of the ESADE Executive MBA on February 4, 2016, Professor Henry Chesbrough gave a talk on “New Frontiers in Open Innovation”. He opened with an introduction to the Open Innovation concept, discussed its origins and shared his ideas about innovation. He provided insight into where it is heading in the future.



BACK-END OF OPEN INNOVATION

BerkeleyHaas

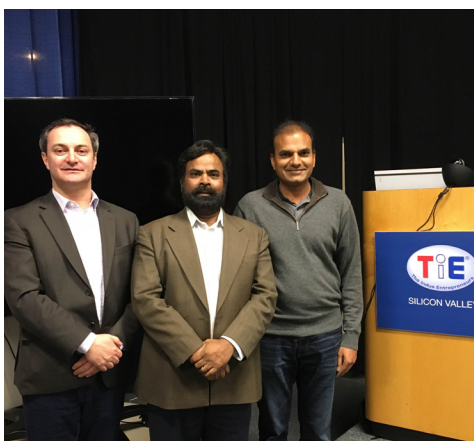
The Garwood Center for Corporate Innovation has been conducting research on how Open Innovation has been realized in the back-end of the innovation processes. Open Innovation has been heavily studied at the front-end for the last 10 years. But, how has Open Innovation been realized at the back-end of the innovation process? And how has it made it to market? Research is led by Henry Chesbrough and Sohyeong Kim, the research team conducted in-depth interviews with multinational corporations. Findings will be written and shared with BIF members later this year.



HCL SMART CITIES CASE

HCL

Since Fall 2015, Professor Darwin has been working on a Smart Cities course. He has partnered with several SMEs, MNEs, and government officials to further develop the curriculum at Berkeley-Haas. HCL was strategic in partnering with Professor Darwin at the Garwood Center. Their resources in technology have contributed to the enhancement of Smart Cities, which has now led to the Smart Village initiative.



GARWOOD GIVES BACK



TiE Global appointed Professor Solomon Darwin as the Chief Advisor for Smart Cities. Recently, TiE global held their Silicon Valley Smart Cities Hackathon. The hackathon featured over 120 talented teams from over 10 countries and 50 cities coming together to brainstorm, code and create in the name of a greater social cause. Winning teams have produced technology for waste management issues, especially for developing countries. UC Berkeley’s involvement with TiE Global will help further the student’s education, experience, and relationship with international corporations.

UPCOMING EVENTS

THE GARWOOD CENTER FOR CORPORATE INNOVATION INVITES YOU TO:



WOIC 2016

3RD ANNUAL
WORLD OPEN INNOVATION CONFERENCE

Hosted by

ESADE

BARCELONA, SPAIN

DEC 15-16 3RD ANNUAL WOIC

DEC 13-14 PhD PROGRAM

Registration and logistics available May 2016

woic.corporateinnovation.berkeley.edu

woic2016@haas.berkeley.edu



CHIEF INNOVATION OFFICER'S ROUNDTABLE



JULY 1, 2016



CHIEF GUEST: **BILL RUH**, CEO, GE DIGITAL
Topic: *Industrial Internet/ Cyber Security/ AI*
Host: *Uday Tenny, Director of Strategic Engagement & Innovation*



OCTOBER 28, 2016 Google

CHIEF GUEST: **HAL VARIAN**,
CHIEF ECONOMIST, GOOGLE
Topic: *Predicting the Future with Search Engine Data*

UC BERKELEY INDIA-US CONFERENCE

JULY 8, 2016 | Andersen Auditorium, Berkeley-Haas

"Managing India's Growing Role In The Global Economy - Opportunities For US-India Partnership"

Featuring Key Silicon Valley CEOs | Confirmed CEOs Include:

- Dr. Paul Jacobs**, Executive Chairman, Qualcomm Incorporated
- Arun Singh**, Indian Ambassador to the United States
- Vinod Khosla**, Founder, Khosla Ventures
- Sam Pitroda**, Telecom Inventor, Entrepreneur & Policy Maker
- Preetha Reddy**, Executive Vice Chairperson, Apollo Hospitals
- Sachin Pilot**, Former Union Minister, Government of India
- Sunil Kant Munjal**, Managing Director & Chairman Hero Moto Corp.
- Satish Reddy**, Chairman, Dr. Reddy's Laboratories
- Omar Ishrak**, Chairman & CEO, Medtronic Inc.
- TV Mohandas Pai**, Former Head of Administration, Infosys

Sponsored by:  **AIMA**
ALL INDIA MANAGEMENT ASSOCIATION



FOODINNO 2016: BERKELEY-STANFORD FOOD INNOVATION & DESIGN SYMPOSIUM

MAY 26, 2016

Garwood is supporting the "Berkeley-Stanford Food Innovation & Design Symposium". Dr. Sohyeong Kim, alumnus of Garwood is starting a new venture at the Stanford Design Group, as the Director of Food Innovation and Design. Sohyeong wrote her thesis on Open Food Innovation studying the California Cuisine movement. For more information, visit: <http://www.foodinno.org/>