



THE TRANSFORMERS SUMMIT 2018

Goal 11: Sustainable Cities and Communities

Transformers Academy and Summit
4th – 11th December 2018
Cambridge, England

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Dear Transformers,

Welcome to the Islamic Development Bank's (IsDB) first Transformers Academy. I am excited that you have been able to join us this week.

As you know, the Academy is comprised of the top 30+ innovators and entrepreneurs receiving the initial round of investment from the IsDB's \$500M Transform Fund.

Our 57-member countries cover many of the world's developing economies and emerging markets and we have regional hubs in some of the most rapidly growing cities in the world, such as Dhaka, where we are implementing local development projects on the ground. We are delighted to see such a wonderful representation of innovators from all over the world.

The development challenge ahead is an enormous one. We believe that investing in your projects we are getting closer to closing the development gap. We have been actively investing in STI-led projects to accelerate progress in cities worldwide.

Together with you, we have a shared goal to turn innovative ideas into real development solutions, and we are extremely proud to be working with you.

I am confident that you will find this week informative and engaging. You will participate in a number of lectures, workshops and experiences which will strengthen your knowledge and understanding in finance, communications, capacity building, IP and leadership. It will challenge you to think about your story and your vision, in the context of solving the UN Sustainable Development Goals.

I hope that you enjoy the experience and the opportunity to collaborate with your peers - together you are forging a global network of innovators who are changing the world for better.

I wish you all a productive, interesting, and successful week.

Sincerely,



H.E Dr Bandar M. H. Hajjar, President, Islamic Development Bank (IsDB) Group



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KEY DATES

Arrival date: 3rd December

Transformers Academy: 4-9th December

Transformers Summit: 10th December

Departure date: 11th December

CONTACTS

Name	Contact Number
Freuds	
Lola Reid	+44 7946 124422
Christina Gregory	+44 7919 444 787
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Ahmad Shawesh	+966 (12) 646 7390
Aliaa AL Mehdar	+966 50 844 9277
Noufal Abdulkareem	+966 (12) 646 6491

KEY ADDRESSES

Your Accommodation:

Homerton College

Hills Road,
Cambridge
CB2 8PH

Transformers Summit:

The Guildhall

1-6 Corn Exchange Street
Cambridge
CB2 3QF

Transformers Academy:

Hughes Hall

Wollaston Road,
Cambridge
CB1 2EW

Gala Dinner:

Gonville & Caius College

University of Cambridge
Trinity Street
Cambridge
CB2 1TA



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TRANSFORMERS ACADEMY WEEK

Transformers Academy is a five-day accelerated course aimed at equipping Transform Fund recipients with the business and entrepreneurial skills to begin to scale-up their innovative ideas and solutions.

Key highlights include:

- **Developing your vision for solving the Sustainable Development Goals**
- **Presentation training for leaders**
- **Financing the entrepreneurial business**
- **Navigating the venture capital investment process**
- **Marketing your brand in era of digital disruption**
- **Intellectual Property and Commercialization**
- **Scaling up your venture for global growth**

We hope that you enjoy the experience and the opportunity to collaborate with your peers. Together you are forging a global network of innovators and talent.

We encourage you to share your experiences on social media throughout the week using #TransformersSummit



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TRANSFORMERS ACADEMY WEEK AGENDA

Monday 3rd December

The below schedule is dependent on arrival time and check in at Homerton College:

TIME	ACTIVITY	LOCATION
08:00 – 09:00	Breakfast served	Homerton College, Bar Buttery
14:00 - onwards	Check in	Homerton College
19:00 – 20:30	Buffet Dinner at Homerton College	Fellows Dining Room



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Tuesday 4th December

TIME	ACTIVITY	LOCATION
07:30 – 08:30	Breakfast served	Homerton College, Hall
08:30	Coach departs from Homerton College to Hughes Hall <i>Meet in reception</i>	
09:00 – 09:30	Welcome to Transformers Academy <i>Dr. Hayat Sindi, Chief Advisor to the President, IsDB</i> An introduction to the Islamic Development Bank, Transform Fund, overview of Transformers Academy and objectives for the week.	Peter Richards Room, Hughes Hall
09:30 – 10:00	Global Goals <i>Gail Gallie, Co-founder, Project Everyone</i> Keynote on the UN Sustainable Development Goals and accelerating the creation of a fairer world by 2030	Peter Richards Room, Hughes Hall
10:00 – 10:30	Getting to know you An opportunity for attendees to introduce themselves and their projects.	Peter Richards Room, Hughes Hall
10.30 – 10:45	Refreshments served	Peter Richards Room, Hughes Hall
10:45 – 12:00	Developing your vision for solving the Sustainable Development Goals <i>Dr Fil Randazzo, CEO Leverage Science and Gail Gallie, Project Everyone</i> Working in small groups, attendees will workshop their business vision and leadership legacy in being part of the solution to the UN SDGs.	Peter Richards Room, Hughes Hall



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12:00 – 13:00	Presentation training for leaders <i>Sam Smith, former BBC News Producer and freuds leadership training coach</i> Keynote on presentation and public speaking best practice, including technique and tactics.	Peter Richards Room, Hughes Hall
13:00 – 14:00	Buffet lunch	Hughes Hall
14:00 – 16:30	Presentation training for leaders (continued) <i>Sam Smith, former BBC News Producer and freuds leadership training coach</i> Practical session with feedback.	Peter Richards Room, Hughes College
16:45 – 17:00	Closing remarks from Dr Hayat Sindi	Peter Richards Room, Hughes College
17:10	Coach departs from Hughes Hall to Homerton College <i>Pick up point: Mill Road</i>	
19:00 – 20:30	Dinner at Homerton College	Fellows Dining Room



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Wednesday 5th December

TIME	ACTIVITY	LOCATION
07:30 – 08:30	Breakfast served	Homerton College, Hall
08:30	Coach departs from Homerton College to Hughes Hall <i>Meet in reception</i>	
09:00 – 09:15	Morning welcome from Dr Hayat Sindi	Pavilion Room, Hughes Hall
09:15 – 12:00	Financing the entrepreneurial business <i>Boualem Hammouni, Mohamed Sharaf and Abdelkader El Hachmi, Investment Department, IsDB and Dr Fil Randazzo, CEO Leverage Science</i> Learn how to secure or provide investment for your business across the stages of the deal cycle: Breakout session 1) Investment strategies for growth Breakout session 2) Capacity building for business growth	Pavilion Room, Hughes Hall
12:00 – 12:30	Identifying and managing compliance risks <i>Jalal Khan, Senior Compliance Council, IsDB</i>	Pavilion Room, Hughes Hall
12:30 – 13:30	Buffet lunch	Hughes Hall
13:30 – 15:00	Navigating the venture capital investment process <i>Dr. Fil Randazzo, CEO Leverage Science</i> Increasing your effectiveness in raising capital from impact investors and VCs.	Pavilion Room, Hughes Hall
15:00 – 16:00	Presentation Workshop <i>freuds</i> An opportunity to book in sessions to develop your Marketplace presentation.	Pavilion Room, Hughes Hall



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16:00 – 16:30	Transformers Summit Briefing <i>Dr Hayat Sindi, IsDB</i> Session for all Transformers ahead of the inaugural Transformers Summit, 10 th December 2018	Pavilion Room, Hughes Hall
16:30	Coach depart from Hughes Hall to Homerton College for Transformers [majority] <i>Pick up point: Mill Road</i>	
16:30 – 17:00	Transformers Summit Briefing (closed session) <i>Dr Hayat Sindi, IsDB</i> Closed session for Transformers who will be presenting at the inaugural Transformers Summit, 10 th December 2018.	
19:20 - 19:30	Meet in reception to travel to dinner location [walking distance]	
19:30 – 21:30	Dinner	Cambridge Cookery
21:30 – 21:40	Travel to Homerton College [walking distance] <i>Meet in reception</i> Cambridge Cookery	



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Thursday 6th December

TIME	ACTIVITY	LOCATION
07:30 – 08:30	Breakfast served	Homerton College, Hall
08:30	Coach departs from Homerton College to Hughes Hall <i>Meet in reception</i>	
09:00 – 09:15	Morning Welcome <i>Dr Hayat Sindi, IsDB</i>	Peter Richards Room, Hughes Hall
09:15 – 12:30	Marketing your brand in era of digital disruption <i>Matt Barbet, freuds Director and former news anchor</i> <i>Lauren Thomson, freuds Social Media</i> <i>Carlos Miranda, Social Misfits media</i> <i>Ben Jackson, former Environment Editor of The Sun</i> How to harness marketing and communications to drive new and emerging brands, including: Workshop 1) Choosing the best communications channels for your brand with Matt Barbet Workshop 2) The do's and don'ts of social media with Carlos Miranda and Lauren Thomson Workshop 3) Engaging with journalists to build influence and reputation with Ben Jackson	Peter Richards Room, Hughes Hall
12:30 – 12:45	Buffet lunch	Hughes Hall
13:30	Coach departs from Hughes Hall to Cambridge Punt Company	
14:00 – 14:45	Punting on the iconic River Cam OR Free time to explore Cambridge	Quayside, Cambridge



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15:00	Coach departs from the Cambridge Punt Company to Hughes Hall	
15:45 – 17:00	Business workshop with Dr Fil Randazzo, Boualem Hammouni, Mohamed Sharaf and Abdelkader El Hachmi An opportunity to book a consultation on your financial model.	Seminar Room A
17:00 – 17:15	Closing remarks from Dr Hayat Sindi	Peter Richards Room, Hughes Hall
17:30	Coach departs from Hughes Hall to Homerton College <i>Pick up point: Mill Road</i>	
19:00	Coach departs from Homerton College to dinner location <i>Meet in reception</i>	
19:30 – 21:30	Dinner	The Olive Grove
21:30	Coach departs from the Olive Grove to Homerton College	



Friday 7th December

TIME	ACTIVITY	LOCATION
07:30 – 08:30	Breakfast served	Homerton College, Hall
08:30	Coach depart from Homerton College to Hughes Hall	
09:00 – 09:15	Morning welcome from Dr Hayat Sindi	Pavilion Room, Hughes Hall
09:15 – 12:30	The value of an idea: Intellectual Property and commercialization <i>Vladimir Yossifov and Bajoe Wibowo, World Intellectual Property Organization</i> Commercializing your IP including an introduction to IP law, patents, copyrights, trademarks.	Pavilion Room, Hughes Hall
12:30 – 13:30	Buffet lunch at Hughes Hall	
13:30 – 15:30	Entrepreneurship 101 speed mentoring session Leading experts deliver speed mentoring sessions on: <ul style="list-style-type: none"> • Competitor landscape – Dr. Hayat Sindi • Scaling-up from idea to impact – Dr. Fil Randazzo • Building a collaborative culture – Arif Haq • Managing financial revenue – Moustafa Asim Alzuabi • IP protection – Vladimir Yossifov and Bajoe Wibowo • Strategy development – Kat Arnull 	Pavilion Room, Hughes Hall
16:00 – 16:45	Presentation workshop (optional) <i>freuds</i> An opportunity to book in a one-to-one session to develop your Marketplace presentation.	Seminar Room A
16:45 – 17:00	Closing remarks from Dr Hayat Sindi	Pavilion Room, Hughes Hall



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17:15	Coach departs from Hughes College to Homerton College	
19:45	Coach depart to dinner location	
20:00 – 22:00	Dinner	Jamie's Italian
22:00	Coach departs from dinner location to Homerton College	



Saturday 8th December

TIME	ACTIVITY	LOCATION
07:30 – 08:30	Breakfast served	Homerton College, Bar Buttery
08:30	Coach departs from Homerton College to London <i>Meet in reception</i>	
11:00 – 13:00	Science Museum exhibition and visit to festive markets Tickets to see an exhibition at London's famous Science Museum	Exhibition Road, London
13:15	Coach departs from Science Museum to freuds office	
13:45 – 14:30	Buffet lunch	freuds office
14:30 – 16:00	Scaling up your venture for global growth <i>Alex Johnston, former Board Director Pitch@Palace, Buckingham Palace</i> Keynote on building scale and expanding globally.	freuds office
16:00 – 17:00	Presentation practice ahead of the Transformers Summit (optional) <i>freuds</i> An opportunity to rehearse presentations and develop slideshows ahead of the Transformers Summit.	freuds office
17:00 – 18:00	Free time to explore Oxford Street (optional)	Oxford street, London
18:00	Coach departs freuds office to dinner location <i>Meet in reception</i>	
18:30 – 20:00	Dinner	Clerkenwell Kitchen
20:00	Coach departs from dinner location to Homerton College	



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Sunday 9th December

TIME	ACTIVITY	LOCATION
08:00 – 09:30	Breakfast served	Homerton College, Bar Buttery
09:30 – 15:15	Free time to explore local Cambridge attractions. Opportunity for further presentation rehearsals	Homerton College
17:30	Coach departs from Homerton College to The Guildhall <i>Meet in reception</i>	
18:00 – 19:45	Marketplace Exhibition run-through	The Guildhall
19:45 – 20:00	Travel to dinner location [walking distance]	
20:00 – 21:30	Dinner with H.E. Dr Bandar Hajjar, President of the IsDB	Six Brasserie, The Varsity
21:45 – 22:00	Coach departs from The Varsity to Homerton College <i>Meet in reception</i>	



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Monday 10th December

TIME	ACTIVITY	LOCATION
07:45	Coach departs from Homerton College to The Guildhall <i>Meet in reception</i>	
08:15 – 09:00	Breakfast served	The Guildhall
09:00 – 18:15	Transformers Summit Transformers will participate in the IsDB's inaugural Transformers Summit.	The Guildhall
Option 1		
18:30	Coach departs from The Guildhall to Homerton <i>Opportunity for Transformers to refresh ahead of Gala Dinner</i> <i>Meet in reception</i>	
19:45	Coach departs from Homerton to Gonville and Caius <i>Meet in reception</i>	
Option 2		
19:30 – 20:00	Reception An opportunity for Transformers to Network with Summit guests and speakers.	The Guildhall
20:00 – 20:15	Travel to Gonville and Caius [walking distance]	
All		
20:15 - 22:15	Gala Dinner Transformers invited to dinner for Summit speakers.	Gonville and Caius
22:30	1x coach departs from Gonville and Caius to Homerton College 1x coach departs from Gonville and Caius to Cambridge railway station	



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Tuesday 11th December

TIME	ACTIVITY	LOCATION
07:30 – 08:30	Breakfast served	Homerton College, Bar Buttery
9:00	Check out	Homerton College



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TRANSFORMERS ACADEMY SPEAKERS

Dr Hayat Sindi, Chief Scientific Advisor to the President, IsDB



As Chief Scientific Advisor for the Islamic Development Bank, Dr Hayat has spearheaded the launch of the new \$500m Transform Fund. The largest of its kind, the Fund is focused on promoting and nurturing science, technology and innovation to accelerate progress towards the Sustainable Development Goals. She has also launched Engage, a global digital hub to connect and support innovative entrepreneurs.

Dr. Hayat is a passionate advocate for the promotion of science based skills for women, particularly in the developing world. At a young age, inspired by great scientists and thinkers, Hayat convinced her family to allow her to travel alone to England to pursue her higher education, a rare permission for a young Saudi woman. She taught herself A-Levels, in order to meet British entry criteria, and went on to earn a degree in pharmacology with honours from King's College London in 1995, and five years later, became the first woman from the Gulf to obtain a Ph.D. in biotechnology from Cambridge and went on to study at Harvard.

Dr Hayat is a Goodwill Ambassador for Sciences and UNESCO; one of 25 global experts selected by the UN Secretary General Ban Ki moon to the UN Scientific Advisory board; and a member of the Ten Members group to support the technological facilitation mechanism (TF) for the Sustainable Development Goals (SDGs). She was recently featured in the BBC's 100 Women series; was named by Forbes as the 2nd most powerful woman in Saudi Arabia and listed in Newsweek's "150 Women Who Shake the World." She is one of first Saudi women to have served on the Shura Council.



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Dr Fil Randazzo, CEO Leverage Science



Fil Randazzo is currently Founder and CEO Leverage Science. Leverage Science is currently helping investors and innovators identify big ideas and turn them to reality. Previously, Fil served as a Deputy Director at the Bill & Melinda Gates Foundation (BMGF). During his 12.5-year tenure at BMGF, he actively participated in its rapid growth from a small start-up to a 1500 employee institution. Fil co-launched and co-managed the Grand

Challenges in Global Health Initiative, which in 2005 established the standard on how BMGF sources, funds and manages innovation. Fil directly managed a \$600M investment portfolio which spanned areas such as health, agriculture, education, and policy. His portfolio included some of BMGF's biggest success stories. From 1994-2004, Fil served a variety of scientific roles at the Chiron Corporation in Emeryville CA. He earned a Ph.D. in Molecular, Cellular and Development Biology at Indiana University, Bloomington and B.S. in Microbiology and Anthropology from the University of Notre Dame.

Gail Gallie, Co-founder, Project Everyone



Gail Gallie is a business leader with a strong sense of social purpose. Gail's background is in marketing and advertising. She has worked for both advertisers and agencies, in the public and private sectors. Gail started her career working for ad agencies, helping to create campaigns for a variety of clients including P&G, the Ministry of Sound, and the Labour Party. She then took a

role in marketing at the BBC and over the next eight years was responsible for the strategy and delivery of many major projects, including the launches of CBeebies and BBC Three.

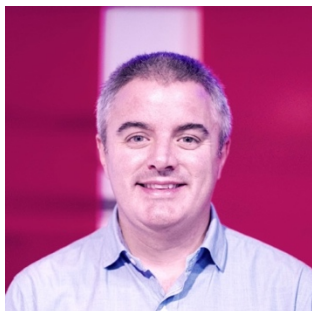
On leaving the BBC Gail co-founded the strategic communications consultancy GaillieGodfrey, delivering corporate campaigns and brand strategy to a mixture of commercial and philanthropic clients, including Sony Music, the Camden Roundhouse, and the Millennium Cities Initiative. During this period Gail also worked as a freelance consultant for Comic Relief. In 2010 Gail was appointed CEO of the ad agency Fallon, part of the Publicis Group, delivering campaigns for clients including Cadbury, Eurostar and Skoda.

Samuel Smith, freuds, Associate Director



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Samuel joined freuds in 2015 as an Associate Director, after 13 years at BBC News. He established and runs the agency's executive coaching, visible leadership and media training offer, The Newsroom @ freuds. He also provides senior counsel to CEO's, founders and senior leaders on media engagement, messaging and issues/crisis.

Beginning his career as a regional newspaper journalist, he moved to the BBC in 2002 and worked in a number of senior editorial roles within the BBC Newsroom. This included becoming a key figure on the 6 & 10 O'Clock News. Samuel also helped lead the BBC's news coverage of many of the biggest events of the last decade including the US 2004 and 2008 Elections, the London 2012 Olympics, the 2014 World Cup in Brazil as well as the crisis at world football governing body, FIFA. His two year investigation with Panorama on doping in athletics led to a 2015 British Journalism Award for Sports Journalism of the Year.

Lauren Thomson, freuds, Associate Director



Lauren is responsible for ensuring digital is integrated across the agency practices, while focusing on specialist digital strategy and creative for clients. Lauren has developed digital and social strategies for a number of brands during her five years at freuds, including Public Health England, Abbvie, Compare the Market and Estée Lauder (Breast Cancer Awareness Campaign). As part of her work on Public Health England, Lauren has developed social strategies to encourage behaviour

change, notably on Stoptober and the Change4Life 10 Minute Shake Up summer initiative.

For AbbVie, Lauren developed a 'digital-first' campaign, employing new gamification techniques and a suite of innovative digital partners as part of the Live:Lab programme, including collaborating with game designers and data analysis through UCL. As well as ensuring digital is embedded within client projects, Lauren also liaises with start-ups to bring fresh thinking within the agency. Lauren is also a guest lecturer for PR students at Westminster University.



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Erin Niimi Longhurst, Social Misfits Media



Erin has been part of the Social Misfits Media team since May 2015. As Senior Manager, she leads on training and workshops and developing digital strategies and plans on behalf of clients. Prior to starting at Social Misfits Media, Erin had been working in the world of digital content for leading digital agencies, responsible for creating and implementing successful integrated content, community management and social media strategies on behalf of global brands. Erin brings to the team a strong international background in research, communications and media. Previously, she has worked in sponsorship team for a Premier League Football Club as a commercial analyst for the UK and Japanese markets, as well as for international non-governmental organisations.

Carlos Miranda, founder, Social Misfits Media



Carlos is an entrepreneur passionate about business with purpose. His work focuses on helping charities and businesses scale their impact, whether it's through providing strategic advice, or helping clients make better use of technology. In 2011, Carlos founded I.G. Advisors. I.G. is a strategy consultancy that provides philanthropy, corporate impact, and fundraising advice. Since launching I.G., Carlos has advised a wide variety of philanthropists, foundations, companies, charities, and social enterprises. I.G.'s clients include the Bill & Melinda Gates Foundation, UNICEF, and the Old Vic Theatre.

Carlos is also the Founder and Chief Executive of Social Misfits Media. Social Misfits advises organizations on how best to use social media to interact with those critical to their success. The firm works with a range of businesses and charities including LinkedIn, Amnesty International and the Islamic Development Bank. Driven by an interest in technology, Carlos understood the need for reliable, robust and practical digital support, tools, and expertise for beyond profit organisations. In 2016, he co-founded Lightful, a suite of social media publishing and fundraising tools. Lightful works with charities and social enterprises looking to scale their impact through the power of technology.



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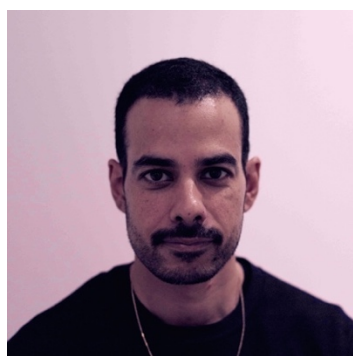
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Ben Jackson, freuds, Associate Director



Ben was Features Editor of The Sun newspaper for 10 years and the first Environment Editor to be appointed at a UK tabloid. He left newspapers to set up his own consultancy in 2015, managing communications at the Sustainable Innovation Forum at the Paris Climate Conference, before being commissioned to edit a sustainability-themed journal launched at Davos by Paul Polman and Christiana Figueres. In the past year, he has advised Budweiser on their recent move to 100% renewable electricity and been the content editor of a UBS-sponsored partnership with Vice and Vanity Fair.

Arif Haq, freuds, Partner



Arif Haq is a Partner at Freud Communications where he works in the creative team. He joined Freuds in November 2017 from Contagious magazine where he was the founder and head of the Creative Capabilities practise at Contagious Insider (the company's specialist consultancy division). Among his work there he developed Heineken's 'Creative Leadership' program, most famous for the Heineken Creative Ladder, a project described by Campaign as, 'A refreshingly serious approach to the business of creativity.' and by AdAge as having, "helped the brewer scale creative heights, culminating with the 2015 Cannes Lions Creative Marketer of the Year award".

That work has also been featured as a case study by Fast Company and in a number of books including James Hurman's seminal 'The Case for Creativity'. Arif started his career on the agency-side before spending a decade as a brand manager at PepsiCo in the UK and Europe, working on Pepsi, Pepsi Max and Gatorade. He has also been a professional advertising treatment writer, giving him a relatively unique client-agency-production-consultant view of the industry.



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Alex Johnston, former Board Director, Pitch @ Palace



Alex served on the board of Pitch @ Palace, which provides a platform for entrepreneurs and early stage businesses to amplify and accelerate their work through connecting them with potential supporters, including CEOs, influencers, angel investors, mentors and business partners. Alex is also a founding-partner of freuds, one of the UK's largest independent communications agency, where he was Creative Director for a number of years. Alongside this role, he was Chief Marketing Officer of Touchpress, a UK independent app developer. Alex also serves on the global board of Tim Berners-Lee's Web Foundation, which aims to advance the open web as a public good and a basic right.

Matt Barbet, freuds, Director and Former News Anchor



Matt Barbet is a director at freuds, and prior to joining in the summer, had been a broadcaster and journalist for twenty years.

He has worked on all the major networks in the UK - the BBC, ITV, Sky News and also for ITN, presenting the likes of BBC Breakfast, ITV News, Daybreak and 5News.

Matt has covered elections from Washington DC and Downing Street; terror attacks, earthquakes and war; the Oscars and Royal Weddings.



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Kat Arnall, freuds, partner



Kat provides strategic counsel to a number of freuds clients and is the strategic lead for the freuds health specialism. A crucial part of Kat's role is the production and facilitation of different approaches to communication that help unlock client's business problems and help bring clarity to an organisations direction. This work can vary from plotting the support network for smokers during Stoptober to advising startups on their brand and business positioning.

Kat specialises in driving cultural, behavioural and organisational change through communication and innovation. She has developed campaigns across a number of sectors, spanning from commercial clients (including Roche, EY, Mars, Diageo and AbbVie) to public sector/ charitable work (including Public Health England, Ashoka and Comic Relief) identifying innovative ways to tackle serious issues.

Bajoe Wibowo, World Intellectual Property Organization



Mr. Bajoe Wibowo, a national of Indonesia, has been working for more than 20 years at the World Intellectual Property Organization (WIPO), and holds a Master Degree in Engineering from the Swiss Federal Institute of Technology (Ecole Polytechnique Fédérale de Lausanne), as well as a second Master Degree in Management from the same Institute. Mr. Wibowo has handled various assignments at WIPO, dealing with issues related to the Patent Cooperation

Treaty (PCT); Patent information; Intellectual Property and Economic Development, and was also involved in the political process of the WIPO Development Agenda. He is presently Project Manager in the Office of the Deputy Director General, Development Sector, and managing the WIPO Match platform which is an online tool to match seekers of specific intellectual property (IP)-related development needs with potential providers offering resources. This service amplifies WIPO's resources and multiplies existing partnerships. Mr. Wibowo has represented WIPO as a Speaker in more than 70 countries in different regions in the world.



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Vladimir Yossifov, Consultant, Intellectual Property



Vladimir Yossifov is an intellectual Property Consultant. Prior to this, he began a 26-year career with the World Intellectual Property Organization (WIPO). Starting as a Programme officer, Mr. Yossifov retired as a Director of a division. In 1988 Mr. Yossifov became a member of the WIPO Staff Pension Committee and a board member of the United Nations Joint Staff Pension Board. He was also elected chairman of the UN Pension Fund Board in 2006-2007, 2010-2011 and 2016-2017.

Boualem Hammouni, Investment Department, IsDB



Boualem Hammouni is a chartered Alternative Investments Analyst (CAIA) at the Islamic Development Bank. Boualem Hammouni has extensive experience in the investment and financial services industry. He has worked at a number of top tier Institutions such as the IFC (World Bank Group), UBAF, New edge and Sonatrach.

Mohamed Sharaf, Investment Department, IsDB



Mohamed Sharaf is the Lead Investment Officer for the Islamic Development Bank. Prior to this, he was a senior banker, specialising in debt, equity and structured finance across 20 countries. Mohamed is extremely experienced in his field, having worked in a number of high-level positions in respected financial organisations, such as the Egyptian Agricultural Credit Group and the Arab International Bank.



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Abdelkader El Hachmi, Investment Department, IsDB

Abderkader El Hachmi is an investment professional at the Islamic Development Bank and has worked for the organisation for four years. Prior to his current position, he worked as a Lead Funds Management Specialist and as a Senior Risk Management Specialist. He has also worked as a risk analyst and an investment analyst at HSBC.



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Jalal Khan, Senior Compliance Council, IsDB

Jalal Khan works within the compliance department of the Islamic Development Bank. The Council's work revolves around ensuring that the organisation is in accordance with the established guidelines and specifications. The Bank works to improve the lives of those it serves by promoting social and economic development in Muslim countries and communities worldwide, delivering impact at scale.



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TRANSFORMERS SUMMIT OVERVIEW

The Transformers Summit is the only conference connecting a powerful coalition of entrepreneurs, innovators and global leaders to discuss the role of science, innovation and technology in achieving Sustainable Development Goal 11: Make cities and human settlements inclusive, safe, resilient and sustainable.

This inaugural Summit will review successful initiatives, policies and innovative solutions for better cities, healthier lives and prosperous futures in line with Sustainable Development Goal 11.

It will focus on discussing new ideas and solutions from all parts of the world, where building sustainable, healthy and thriving communities is more important than ever before. The event will feature some of the most exciting world innovators, the inaugural recipients of the IsDB's new \$500m Transform Fund.

ABOUT SDG 11

Goal 11: Sustainable cities and communities

More than half of the world's population now live in urban areas. By 2050, that figure will have risen to 68 percent– two-thirds of all humanity. Sustainable development cannot be achieved without significantly transforming the way we build and manage our urban spaces.

The rapid growth of cities in the developing world, coupled with increasing rural to urban migration, has led to a boom in mega-cities. In 1990, there were ten mega-cities with 10 million inhabitants or more. In 2014, there were 28 mega-cities, home to a total 453 million people.

Extreme poverty is often concentrated in urban spaces, and national and city governments struggle to accommodate the rising population in these areas. Making cities safe and sustainable means ensuring access to safe and affordable housing and upgrading slum settlements. It also involves investment in public transport, creating green public spaces, and improving urban planning and management in a way that is both participatory and inclusive.



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Facts and figures:

- **3.5 billion people**, half of the world's population, live in cities. By 2050, this figure is expected to rise to 68 percent
- **3 percent**: Cities occupy just 3 percent of the Earth's land but account for 60 to 80 percent of energy consumption and 75 percent of carbon emissions
- **828 million**: Currently 828 million people live in slums, and the number is rising
- **28**: In 1990, there were 10 cities with 10 million inhabitants or more; by 2014, the number of "mega-cities" had reached 28
- **95 percent**: In the coming decades, 95 percent of urban expansion will take place in the developing world
- **1.2 billion**: 1.2 billion jobs depend on a healthy and stable environment

Aims of SDG 11:

- By 2030, ensure access for all to adequate, safe and affordable housing and basic services and upgrade slums
- By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities and older persons
- By 2030, enhance inclusive and sustainable urbanization and capacity for participatory, integrated and sustainable human settlement planning and management in all countries. Strengthen efforts to protect and safeguard the world's cultural and natural heritage
- By 2030, significantly reduce the number of deaths and the number of people affected and substantially decrease the direct economic losses relative to global gross domestic product caused by disasters, including water-related disasters, with a focus on protecting the poor and people in vulnerable situations



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- By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management
- By 2030, provide universal access to safe, inclusive and accessible, green and public spaces, in particular for women and children, older persons and persons with disabilities. Support positive economic, social and environmental links between urban, peri-urban and rural areas by strengthening national and regional development planning
- By 2020, substantially increase the number of cities and human settlements adopting and implementing integrated policies and plans towards inclusion, resource efficiency, mitigation and adaptation to climate change, resilience to disasters, and develop and implement, in line with the Sendai Framework for Disaster Risk Reduction 2015-2030, holistic disaster risk management at all levels
- Support least developed countries, including through financial and technical assistance, in building sustainable and resilient buildings utilizing local materials.

TRANSFORMERS SUMMIT KEY AREAS OF DISCUSSION:

1. **Environmental Sustainability** - Carbon Emissions | Pollution | Water | Natural Disasters
2. **Population Challenges** - Urbanization | Slums | Housing | Overcrowding | Migration
3. **Education** - Equal Access Rise | Future Taskforce Resources | Quality and Curriculum
4. **Health and Wellbeing** - Rise of noncommunicable diseases | Nutrition | Unsafe Drinking Water | Waste Management
5. **Sustainable Transport** - Electric Vehicles | Hybrids | Driverless Cars | Infrastructure | Renewable Energy
6. **Financial Sustainability** - Domestic resources | Public private investments Islamic finance | Innovative financing



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TRANSFORMERS SUMMIT AGENDA

08:15-09:00	Arrival of guests
Session 1	Poet opening the event Selina Nwulu, Poet in the City
Session 2	Welcome Address: Investing in Greater Innovation for Sustainable Development HE. Dr Bandar Hajjar President, IsDB
Session 3	Keynote address - The new urban agenda and the next steps for change Rt Hon Claire Perry MP, Minister for Growth and Clean Energy, UK Government
Session 4	What is SDG 11
Session 5	Question and answer session HE. Dr Bandar Hajjar and Rt Hon. Claire Perry MP
Session 6	Keynote address - Introducing the Transformers Dr Hayat Sindi Chief Advisor to the President on Science, Technology and Innovation (STI), IsDB
Session 7	Meeting the Transformers (video)
Session 8	Panel discussion and audience Q&A Population growth: How mega cities can generate growth and create opportunities for all
11:05-11:20	Break
Session 9	Case study - Transformer recipient
Session 10	Panel discussion and audience Q&A Financing Cities: Ethical and innovative financing for sustainable cities
Session 11	Case study - Transformer recipient
Session 12	Panel discussion and audience Q&A Environmental sustainability: understanding the landscape for development and its relationship with the environment
13:00-13:45	Lunch and marketplace exhibition



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13:45-13:50	Musical performance - Craig Ogden
Session 13	A call to action - special guest (Video)
Session 14	Goals session Richard Curtis Project Everyone
Session 15	Case study - Transformer recipient
Session 16	Fireside discussion The role of education and driving forwards STI to catalyse a sustainable, smart cities agenda, and boosting the role for women and girls
15:20-15:35	Break
Session 17	Transformers Academy, week in the life (video)
Session 18	Case study - Transformer recipient
Session 19	Panel discussion and audience Q&A Sustainable transport and infrastructure: Using cities as a spring board to integrate STI initiatives as a vehicle for ethical, and clean prosperity
Session 20	Case study - Transformer recipient
Session 21	Panel Discussion and audience Q&A Preventative healthcare: The role for STI in implementing a global healthcare system that works for everyone
Announcement	Special announcement The launch of Transform Fund crowdfunding platform
Announcement	Special announcement IsDB work in Mozambique and Uzbekistan
Session 24	Summary
Session 25	Poet closing event Selina Nwulu, Poet in the City
Announcement	Senegal 2019 announcement (video)
18:00-19:30	Reception - end of event



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Appendix



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TRANSFORM FUND RECIPIENTS

Category 1: New Ideas with Proof of Concept

Erase All Kittens **@EraseAllKittens**

Erase All Kittens (E.A.K) is a web-based platform game that teaches kids aged 8-14 real coding languages and helps to eliminate their fear of technology by gamifying the learning process. The project provides a new, innovative way to help close the gender gap in technology. Other code education tools are not designed to appeal to girls and boys, and they also do not teach real-world coding languages - only the concepts of coding (e.g. computational thinking). E.A.K. is disruptive as it will be incredibly engaging to kids - we immersed ourselves in the culture of our target audience to invent a gamified, story-driven approach to teach new skills. E.A.K. is also unique because, as players progress, they can edit the code that governs the game environment, (i.e. learning by building and fixing levels as they play).



Leonie Van Der Linde is the Co- Founder and Lead Artworker of Erase All Kittens - the world's first game that teaches young children professional coding skills and effectively inspires girls to code. Leonie graduated from Central Saint Martins in 2013, specialising in graphic design, illustration, and animation. Her first role was as a concept artist for Erase All Kittens. After six months of helping to create characters and levels for the game, she became the third Co-Founder and Lead Illustrator and Animator of the company. Erase All Kittens now has over 150,000 players globally and over half of them are girls. The team and advisors are very passionate about empowering girls and helping to close the gender gap in technology.



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ModulusTech **@ModulusTech**

ModulusTech is a cleantech start-up aiming to revolutionize the affordable housing sector through an innovative, flat-packed housing design, making it possible to set up houses in as little as 3 hours while providing standard living conditions and superior energy efficiency, reducing the carbon footprint and contributing to a more sustainable future. The company provides low-cost housing for displaced and homeless people. Using an innovative flat-packed house design that can be assembled in as little as 3 hours by 3 workers using simple hand tools, the flat-pack products allow 11 of such houses to be transported in a 40 foot container with all electrical and plumbing utilities included, and ready for use as soon as it is assembled.



Nabeel Siddiqui is currently CEO at ModulusTech, which is a start-up aiming to revolutionise the affordable housing sector. Prior to this position, he was a director of Product Development at a free online counselling platform for Pakistani students. He holds a Bachelor's degree from the NED University in Engineering, Civil Engineering and Construction Management.



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Solid-state Bio-conversion

Based on the discovery of properties of a local fungus that produces a metabolite with coagulation properties, the idea is to produce myco-safe, environmentally friendly and efficient coagulant, using solid-state bio-conversion (SSB) system for bulk production, for the sustainable treatment of water, to support the goal of "safe and clean water" for all. Successful production of a bulk amount of the myco-coagulant (MyCoag) would be a significant milestone in the development of locally produced renewable and safe coagulant which would be beneficial for the local and international water industry. Development of such a product will help the developing nations to move forward in the field of green technology for sustainable growth in "Clean Water and Sanitation Sector" and will help protection of the environment too.



Abdullah Al-Mamun has 12 years of engineering teaching experience at an International University and 24 years of professional experience in Civil Engineering (water and environment sector). He has theoretical knowledge (being an academic) and valuable practical experiences (being a practicing engineer), essential for any modern technical organisation. Due to his teaching and industrial experiences, he has had opportunities to apply theoretical knowledge in the laboratory and in the field.



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Smart AquaDetector

Monosex culture is foreseen as the strategic practice in transforming the prawn farming industry. It increases total yield performance and profitability, eliminates inbreeding (thereby promoting uniformity due to the lack of selective harvests), improves the feed conversion ratio (FCR), improves disease resistance and results in higher survival. Economic analysis of monosex culture of giant freshwater prawn in India, for instance, reported 63% increase in revenue when animals were segregated compared to mixed cultivation. The idea is to develop a device (Smart AquaDetector) to assist in the counting and separation of male and female prawns. The project will reduce the waste of feed due to overfeeding.



Rasina Rasid is currently a lecturer and researcher at the School of Fisheries and Aquaculture Sciences in Universiti Malaysia Terengganu (UMT), Malaysia. She received her doctorate from the Institute of Aquaculture, University of Stirling, Scotland, United Kingdom. Her main research interest is principally directed towards sustainable freshwater prawn culture and using alternative local protein ingredients in aquafeeds. She was selected to represent Malaysia to the International

Association of Traffic and Safety Sciences (IATSS) Forum Leadership Training Program in Japan for Young Professionals in Asian countries which was fully sponsored by Japan Honda Foundation and is currently an active alumnus.



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Farmily

Farmily is a technology and a business model that will make long supply chains and logistic costs obsolete. The affordable and effective vertical farming module can produce more than 200 varieties of greens and vegetables in any climate, 365 days a year without using any pesticides or herbicides. The aeroponic module developed by the team can be installed at any location and can be stacked to improve the yields and effectiveness. The modules require 95% less water and nutrients than soil-based greenhouses and 20% less than hydroponics. The idea of fully controlled growing of any plants in the aeroponics module can be practically implemented due to developed technologies in 3 major factors affecting the growth of plants: light (LED lighting), microclimate (temperature, carbon dioxide levels, humidity) and water with nutrients (high pressure water systems).



Maulen Akhmetov is a founder and CEO of Farmily, an indoor farming company based in Astana, Kazakhstan. He is passionate about sustainable development, social impact and food. Since the age of fifteen he has started and failed numerous ventures, including a clothing store, an e-shop and selling toe warmers on the market. Despite, or perhaps because of that, he has been chosen to be a Global

Laureate Fellow this year, the International Youth Foundation's annual award for 20 young entrepreneurs around the world. He founded Kunde Cafe, which now employs 30 people and provides training for people with developmental and learning disabilities, the first company to do so in Astana, capitalized at \$300,000. He is also a chairman at the NGO "Bakhyt", which provides full cycle support for families of people with special needs who are employed through Kunde Cafe and other affiliated restaurants.



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Kopernik @thekopernik

Kopernik aims to pioneer an air quality monitoring system aimed at a community level. The system will provide real-time information and warn communities when haze, volcanic ash, or pollution levels have reached critical levels, allowing people to take the necessary precautions to protect their health. Although both air-quality sensors and platforms for haze awareness exist, they have not been meaningfully connected. Kopernik's innovation will fill this vital information gap. When pollution is high, people could use their Haze Emergency Kit, comprising of respiratory masks and materials to create safe rooms in people's homes.



Sarah Wilson has a bachelor's degree in International Studies and a master's degree in Development Studies. She has a passion for community development, leading her to travel from her native Australia to work in Japan, the United Kingdom, Cambodia and Indonesia. She is an advocate for social enterprise, believing that business and development must go hand in hand to reduce poverty. In her role as Associate Director of the Solutions Lab Team, her appetite for creative thinking and determination to solve problems in low-resource settings are met on a daily basis through delivering Kopernik's enormous variety of experimentation projects.



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Smart Cost-effective Single-Dose Nano Wound Bandage for Monitoring and Fast Healing of Diabetic Wounds

This invention involves an innovative SMART cost-effective single-dose multilayer and multitask nano-bandage for monitoring and FAST treatment of diabetic wounds without scars. The bandage acts as a sensor for monitoring healing progress, it releases drug(s) in a controlled way as needed, neutralizes wound alkalinity and acts as a pain relief. After several stages of assessments, the invented smart wound bandage demonstrated several additional advantages including a well-controlled release of drug(s), high biocompatibility, optimum porosity, very desirable water vapor permeability, and high cell viability. The innovative smart patches also showed a good healing quality as clearly observed through the histological assessment of the cured wounds that showed the highest epidermis formation with almost no necrotic and inflammatory tissues.



Dr. Ibrahim El-Sherbiny is Professor of smart nanomaterials and nanomedicine at Zewail City of Science and Technology. El-Sherbiny earned his PhD in Smart drug delivery from Massey University, New Zealand in 2007. He has received a number of awards including a Gold Medal from the 46th International Exhibition of Innovations (Geneva, 2018), the prestigious Shouman Award in Nanotechnology, and the State Incentive Award in Science, and he was honoured as distinguished inventor by Egyptian President and many countries including France, Switzerland, South Korea, Malaysia, Romania, and the Cooperation Council of Gulf States. He is a named inventor on 25 patents in the US, UK, Europe and Egypt.



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earAccess

\$2,500 is the average price of a hearing aid high profit margin business. There is a high, unmet need for low cost hearing aids in LMICs. earAccess proposed a disruptive, innovative business model for hearing aid provision in IsDB Member countries by selling hearing aids through alternative, higher volume, lower margin distribution channels, such as pharmacies & optical chains, instead of traditional hearing clinics. earAccess already has a successful proof of concept in a number of other LMICs, showing that the project is doable. A mobile, fast, cheap, easy to use diagnostic test has already been developed and deployed by the group.



Audra Renyi is the founder of earAccess and executive director of the non-profit World Wide Hearing. Ms. Renyi has worked as an investment banker on Wall Street and has also worked with Doctors Without Borders, in Chad, and with NGOs in Rwanda and Kenya. She holds bachelor's degrees in economics (Wharton School) and international studies from the University of Pennsylvania and has completed the executive leadership program at Harvard Business School. She has won the Governor General of Canada's Innovation Award and in May 2018 was named a Heroine of Health at the WHO World Health Assembly.



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Innovation of a jute-based low-cost, acceptable and biodegradable disposable sanitary pad to facilitate menstrual hygiene management (MHM) in Bangladesh

The lack of low-cost MHM products and facilities in school contribute to 40% of absences among menstruating girls in Bangladesh. Many girls drop out of school because of this problem. The plan is to develop and pilot a low-cost, acceptable and biodegradable menstrual absorbent using jute-based cellulose/substitute, with innovative use of local raw materials including jute, drives sustainability and scalability. This is an important unmet need and has potential for significant impact.



Dr. Md Mahbubur Rahman is a medical graduate and accomplished Master of Public Health and Masters of population Sciences degree from Bangladesh. He has over 18 years' experience working in public health issues in Bangladesh with different organizations including icddr,b, LAMB Hospital, EngenderHealth, IntraHealth International, Pathfinder International, CARE Bangladesh and

Management Sciences for Health. Presently, Dr. Rahman is working as a Project Coordinator and leading Environmental Interventions Unit at icddr,b which employed a team of public health professionals, epidemiologists, anthropologists, social scientists, economists and statisticians. He has the expertise, leadership, training and motivation to successfully carry out any sort of research project. Major undertaking WASH Benefits Trial (www.washbenefits.net.bd): A randomized controlled trial of the benefits of water, sanitation, hygiene plus nutrition interventions on child growth.



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Enteric infection, malnutrition and environmental enteropathy status of Rohingya children at Bangladesh

Helminthes infection is commonly known to affect nutritional status, cognitive function, and trigger a plethora of adverse tissue reactions causing intestinal obstruction. Soil-transmitted helminthes (STH) infections are prevalent in many developing countries. Recently, more than 1 million Forcibly Displaced Myanmar Nationals (FDMNs) have taken shelter in Bangladesh and the majority of them are medically vulnerable. The Government of Bangladesh took a very sympathetic and humanitarian step to improve the health status of civilians. However, the condition of this population in terms of infections is entirely unknown and can potentially be a great threat to the host population. We aim to estimate the prevalence of STH infections among Rohingya children in conjugation with provision of deworming therapy to these children. This study will be a benchmark in examining the independent and combined associations with deworming, co-infection and environmental enteropathy markers in forcible displaced Rohingya children.



Shaila Sharmeen Khan completed her Master's and Bachelor's Degree in Biochemistry and Molecular Biology from the University of Dhaka, Bangladesh in 2009. She started her career working with Multidrug Resistant Tuberculosis. Later, she moved to enteric infectious diseases research. She is currently working as a Research Officer at Infectious Diseases Division, icddr,b and working on various projects that works directly with childhood diarrhoea and malnutrition.



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Rainergy @Reyhan_Camalova

Research shows that through precipitation, billions of gallons of rainwater falls over the world, which has huge potential if utilized in the right way. Rainergy is designed to produce electricity from the rain to solve the problem of energy deficiency in the rainy and low-income countries. Rainergy collects rainwater and uses it to produce electricity. It transfers the rich potential energy of rainwater into electricity through the motion created by the wheel. Then the electric energy is stored in the accumulator for further implementation. Moreover, Rainergy reduces the amount of CO₂ emissions to 10g per KW/ H during production of the electricity. It effectively creates significantly less CO₂ than other current alternative energy solutions.



Reyhan Camalova is 16 and CEO and the Founder of Rainergy, a company that harvests energy from rainwater. With Rainergy, she participated in several competitions including ClimateLaunchpad, GIST Catalyst Pitch competition etc. As the youngest female entrepreneur in the Global Entrepreneurship Summit, she was mentioned by the US President's daughter Ivanka Trump. She is the first Azerbaijani that has made it to the Forbes '30 Under 30 Asia' list. Her inspirational story and background on her

company Rainergy has been published in several outlets including: Forbes, Impact Journalism, Le Figaro etc.



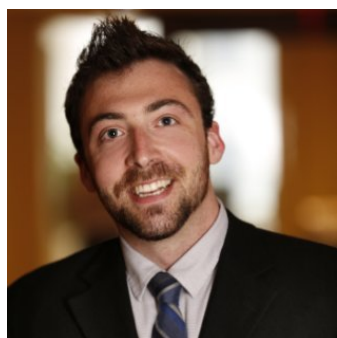
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Category 2: Scaling up of Innovative Projects

Gradian

The proposal is to expand the work building the capacity of non-specialist health providers to offer safe anaesthesia care for emergency surgeries such as C-sections. After the successful implementation of the initiative's first phase in the Rukwa Region and an investment from the Tanzanian Government to scale the technology, additional funding is being sought to expand the training and mentorship program. The program has already been successful in Sierra Leone. Because the project is carried out under local leadership, it functions as a replicable model that can be tailored to the specific needs, experiences, and resources of health providers in a given setting.



Adam Lewis is the Director of Programs and Communications at Gradian—a non-profit medical technology company based in New York and Nairobi. Adam leads a range of programs that bring together national governments, local NGOs and hospitals, international donors and Gradian's network of partners to build capacity in anaesthesia and critical care. Adam also directs Gradian's external communications across and within the company's 25+ countries of operations. Prior to

joining Gradian, Adam consulted for the Bill & Melinda Gates Foundation, USAID, Merck for Mothers and several social enterprises. He is also a freelance reporter covering global health and social justice.



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Kijani Energy

To address food waste for small holder farmers, the Kijani Energy team has designed, developed and custom built a solar PV powered cold storage system with advanced battery technology that is both mobile and modular in design. These 'agricooler' units are operated by smart tech that allows them to be monitored 24x7. The agricooler unit has been piloted in farms and markets in the IsDB member country of Mozambique and in the large Muslim community city of Mombasa in Kenya. The demand for these units was extraordinary, with each unit being fully booked every single day with a waiting list of customers who wanted to use the facility. The units are locally constructed generating employment in the region.



A seasoned innovator and entrepreneur, **Zor Hussain** brings more than 20 years' experience working with start-ups both as an investor and founder. He has assembled, led and mentored a strong team of engineers and innovators around the world predominantly in Green Tech innovation. Zor is passionate about tackling important social problems, particularly in Sub-Saharan Africa by developing creative and high-impact solutions, and then guiding these to scale, whilst ensuring they are both long term and value creating for all stakeholders. Zor is an alumnus of Stanford University and sits on the boards of a number of innovative technology companies around the world.



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Pale Blue Group

Pale Blue Group has been specifically set up to bring together capabilities, services and technologies to communities in such a way that will benefit all involved, not just the network or service providers. Pale Blue's novel approach to communications will provide a high-performance cost-effective solution to network connectivity, e-commerce and e-education.

Pale Blue's community builder system providing connectivity for schools and community services will be subsidised by financial transactions for government and social payments handled through our system. This will provide real time satellite connectivity for less than a domestic wired connection. Our System will provide a server system with internet connectivity and Wi-Fi or wired network connectivity. The server will store the school's curriculum and all the documents required on a daily basis. This will also allow for connectivity to any additional physical devices e.g. printers etc. The full community system can also provide additional power for running the school system and for charging portable devices for areas where electricity supply is poor.



Ian Murphy is a serial entrepreneur having started and developed over 10 companies. He is a radio systems and product engineer with over 38 years of product and system development ranging from the first mobile phones to current state of the art communications and signal processing platforms. Experienced in the integration of multiple technologies to generate new

product and system capabilities that include the design, development and production of Hardware software and mobile financial services. He has a BSc (Hons) in Electronic & Electrical Engineering, and is a Chartered Engineer, a Fellow of the IET, the IEEE and a Fellow of the Institute of Directors.



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Enhancing production and utilization of Energy and Micronutrient rich crop varieties among refugees and host communities in West Nile region of Uganda

@sdkassim2

The West Nile Region of Uganda has been affected by rapid population growth and an influx of refugees. Consequently, malnutrition and food insecurity are high: 30% of children aged 6-59 months are stunted, 18% underweight and 7% wasted. This project proposes to enhance production and utilization of Energy and Micronutrient rich crop varieties among refugees and host communities to address the lack of food and nutrition security in the West Nile Region of Uganda. The flagship is to increase Foundation seed production to enhance QDS supply & bridge the seed gap, particularly in Energy and Micronutrient rich varieties. Foundation seed will be produced as a business based on the Local Seed Business (LSB) model of Integrated Seed Sector Development (ISSD) project for sustainable seed supply to communities.



Dr. Sadik Kassim is a Ugandan citizen and has a PhD in Plant Breeding and Biotechnology. He works with Uganda's National Agricultural Research Organisation as Director of Research at Abi Zonal Agricultural Research and Development Institute. Abi Zone in North Western Uganda shares a long porous border with Democratic Republic of Congo and South Sudan which presents both opportunities and challenges that require

innovative solutions. Thus Dr. Kassim's overriding role is mobilizing resources including partners, and supervising research and development programs that can sustainably contribute to economic development and improvement livelihoods of about 4 million people comprising of both nationals and refugees.



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Smart Havens Africa

Most Ugandans self-build their housing using semi-permanent, and unsustainable materials to match their personal affordability criteria which results in high carbon emission and greenhouse gases that adversely affect people's lives. Smart Havens Africa targets those on the BOP who earn less than \$6 per day, a segment served inadequately by both the public & private sectors. The social impact business model provides a roof, a skill, & a market in a way that solves the current problem, creates jobs, & protects the environment. A roof (we build affordable homes using earth materials (Soil blocks) at a cost of \$4,000 as compared to the market cost of \$45,000. We equip homes with environmentally efficient products such as cookstoves and solar heaters and provide self-financing options through rent-to-own & ISSB Banking-Financing scheme to enable low-moderate income earners to make their home-ownership dream a reality. The project also helps to create job opportunities by training youth & women masons and women engineers thus promoting gender equality & women empowerment.



Anne Kyomugisha has more than 10 years' experience in academic, humanitarian, development and Advocacy work. Her experience involves management and implementation of assistance and Housing research projects. She has worked with several international organizations to enhance their humanitarian, development and advocacy work through provision of services including project management, research to inform programming (situation analysis, needs assessments, baseline surveys, evaluations, documentation of experiences and lessons learnt), facilitation of programme related processes and capacity building and enhancement. She has experience working in areas affected by armed conflict and other emergencies. She also has international experience working in countries such as Kenya, Tanzania, Rwanda and South Sudan.



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BUYAN

Over one billion people in developing countries do not have access to safe drinking water. A lot of water can be lost through leaks, evaporation, and seepage. Fixing or replacing broken or leaky pipes and cracked tanks are very costly and impossible in some places and conditions. The proposed solution, BUYAN Self Sealing Coating, is a coating that is developed with the aim of an application on substance carrying tanks and tubes. This coating is sprayed as a thin layer on the object surface. When covered with this coating, if a tank, pipeline or channel wall is punctured because of an external impact, the coating self-seals and prevents leakage. The specially developed coating starts permanent volume expansion right after contact with water. Such an expansion covers the cracks and punctures and repairs the coated surface. Furthermore, when coated with BUYAN, pipelines or water tanks become immune to corrosion.



Dr. Masoud Latifinavid was born in 1982. He received his PhD. degree in Mechanical Engineering from Middle East Technical University, Turkey in 2017. Dr. Latifinavid is assistant professor in Mechatronic Engineering Department of University of Turkish Aeronautical Association (THKU). He founded TULPAR R&D CO with Dr. Hamed Tanabi and Dr. Matin Ghaziani from THKU and Mr. Enis Yasar as business management expert in 2017. TULPAR was

awarded as the best R&D project in METU YFYI-2017 competition and got capital support from Scientific and Technological Research Council of Turkey, and Ankara Development Agency for innovative projects.



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NENA

In 2017, NENA commercially launched its African digital libraries, which include two types of content:

- Digital libraries on e-readers
- Online digital libraries

The company is now expanding beyond Senegal with the intention of being a pan-African business. The present focus is French books, with plans to introduce African National Languages as well as English and Portuguese. There are agreements with 35 African content publishers and the platform is designed to protect duplication of materials.



Lamine Sarr defines himself as a social entrepreneur in the field of digital publishing. He is motivated by the African youth who represent more than 65% of the African population, which will double by 2050. The major challenge in coming years is to feed young people, to educate them and give them work. With NENA, we try to contribute to our modest level to the quality of education by setting up quality digital libraries. Through our example and our vision of social entrepreneurship, we want to inspire the young generation to take control of their destiny and to create businesses or activities in areas with high social impact.



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Sehat Kahani - The Story of Health @SehatKahani

60,000 female medical doctors in Pakistan are not practicing medicine & are excluded from the healthcare workforce due to social pressures or family constraints. Underpaid female nurses & CHWs are underemployed in marginalized, rural communities and/or urban slums. Sehat Kahani is a telemedicine company started by 2 women, which taps into this underutilized potential, and is focused on serving 108 million low-income women & families in rural areas, urban slums and middle income communities of Pakistan who lack access to affordable, quality, cost effective healthcare. Healthcare services are delivered via three main channels: Access via E-Hubs for lower income community outreach via preventive health portfolios. The Sehat Kahani Mobile Application offers efficiency.



Dr. Iffat Zafar is the Co-Founder and Chief Development Officer for Sehat Kahani, a tele-health company which works on improving basic health care in communities through a spectrum of services focused on primary health care consultation, health awareness and health counselling, utilizing ICT enabled platforms. She is currently doing her Masters in Global E-Health at the University of Edinburgh for which she has been awarded the Commonwealth Scholarship. She has also been selected for the Good Fund Fellowship 2017-18 this year.

She was selected as a Mentor for the GIST Tech-I Applicants 2017-18 and she is also a Mentor for the Cherie Blair Foundation.



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Shurokkha: ICT-based Livestock Management Solution @mridul_mpower

Shurokkha provides timely and affordable veterinary services for marginalized farmers, with the intent to ensure food and financial security to those who toil away not just in Bangladesh but around the world. Using Shurokkha generated data, we can integrate with the systems used by animal health product companies and governments to track diseases, production levels and demand for certain inputs in an area. Livestock input companies (veterinary pharma, feed seller, Artificial Insemination) will enter into B2B partnership with Shurokkha for their field livestock service delivery and gain customer loyalty. In-app adds from livestock relevant commercial companies will be integrated.



Mridul Chowdhury is the CEO of mPower, headquartered in Dhaka, Bangladesh, with deployments in more than a dozen countries in Asia, Africa and Latin America. mPower specializes in innovative ICT-based solutions in health and agriculture to bring much needed services to the under-privileged using ICTs. Mridul completed his Masters in International Development from Harvard Kennedy School of Government as a Dean's Fellow. While at Harvard, he co-founded mPower Social Enterprises (originally named ClickDiagnostics) in 2008 with fellow graduate students from Harvard and MIT after winning the MIT 100K Business Plan Competition in social enterprise track.



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Category 3: Commercialization of Technology

Discovery of first-In-Class lead drug candidates for the treatment of multidrug resistant bacteria

Infection is one of the top 10 causes of death globally, responsible for 700 000 deaths annually. Mortality due to antimicrobial resistant infections is predicted to rise to above 10 million deaths per year by 2050. The global economic burden of such a rise in mortality and morbidity is estimated to be \$100 trillion. Unfortunately, since 1980, no new antibiotic drug class has been discovered. Only limited therapeutic options are effective against the antibiotic resistant bacteria. As part of the global efforts to combat multidrug resistant bacteria, a group of novel molecules with unique chemical scaffolds were designed and synthesized at the Sharjah institute for medical research, University of Sharjah. We conclude that our discovered novel compounds are promising lead drug candidates for treating multidrug resistant infections. These compounds will be tested on experimental animals, followed by clinical trials to explore the possibility of using them as a new class of antibiotics to treat infections.



Taleb Al-Tel received his BS in Chemistry and Chemical Technology in 1987, MS in Natural Product Chemistry in 1990 from the faculty of Chemistry, Jordan University and Pennsylvania State University, and PhD in 1995 from Tuebingen University-Germany followed by an NIH Postdoctoral Fellowship under the supervision of Professor Scott Sieburth, (Synthesis of Antiviral Lead drug candidates) at State University of New York. In 2003, he

was appointed as a visiting associate professor at Duke Chemistry Department, North Carolina. Al-Tel joined Transtech Pharma-USA A Drug Discovery and Development Company from 2004 to 2007 as principal scientist and promoted to a Team Leader for Drug discovery groups (antiviral, anticancer, Obesity and Alzheimers). In 2007, he joined the college of pharmacy-University of Sharjah in the United Arab Emirates as associate professor of organic medicinal chemistry. He was then promoted to Professor in 2013.



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System of Rice Intensification (SRI) Single Seedling Nursery Tray @padeetech

Rice intensification (SRI) requires transplanting of a single seedling at a very young age of 8 - 10 days after seed germination in a nursery with a proper lining and wider spacing patterns depending on the climate and fertility conditions of the rice field. We have developed an innovative SRI-tray technique as a means to nurse individual, young, delicate but healthier and root separated rice seedling with low density. A sliding base is attached to the tray to accurately transfer, safe and release seedlings to the rice field for single transplanting per hill.



Faiz Kharim is a CEO, PhD student, researcher and co-founder of a start-up company under a university start-up incubation program. His work now focuses on the development of rice farming through modern technologies to tackle the issues of food security and poverty in the developing world. Before coming to PadeeTech Sdn Bhd, Faiz taught and trained plantation at RISDA, UCAM. In fact, Faiz had experience in business management, strategic and marketing, banking thus involves in hard

selling of agriculture produce. Faiz Kharim earned a bachelor of entrepreneurship in Agro-Technology from University Malaysia Kelantan and a master in plantation management from University Putra Malaysia.



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Scale up of InnoDent tooth enamel regeneration technology for eliminating traditional dental drill & fill approach @InnoDENT

90% of ISDB member countries' population have some sort of tooth decay that is often left untreated at early stages, leading to health complications in future. We are searching for additional funding for commercialization of our technology in the ISDB member countries to make a difference to millions of people that lack access to affordable innovative healthcare technologies due to either (i) absence of enamel regeneration technology in their home country, or due to (ii) economic reasons that are based on too expensive dental service costs. In this project, we plan to address this issue by producing new products on a mass scale based on our technology, registering them in target ISDB MCs, and establishing a self-sustainable marketing & distribution supply chain of our technology by training local dentists and signing dealership agreements with local dental suppliers. This will allow us to achieve our main objective – to bring the affordable and effective technology to combat early tooth decay without a dentist drill.



Baur Aituov graduated from University of York, UK with a BSc Genetics in 2009. While at York, he was awarded “Top 80 the Highly Achievable UK Undergraduates” Certificate from the Gatsby Foundation. After completing his PhD at the Eurasian National University, he worked as a researcher at Nazarbayev University in Kazakhstan and Sanford-Burnham Research Institute in San Diego, USA. Currently he is the Founder of InnoDent, a startup company that develops non-invasive dental caries treatment approach

based on natural regeneration process of amelogenin proteins. Technology has been patented, two products have now entered the market of Ukraine, Russia, Kazakhstan.



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Inspector

Maintaining medical equipment such as MRI, CT-Scan & X-Ray is difficult and expensive. Medical device manufacturers lose millions of dollars due to warranty liability. Hospitals and clinics can't afford for equipment to sit idle. Inspector is a real time IoT device, linked to the cloud, that monitors medical imaging devices. It uses AI deep learning technology to predict when and how the devices will stop working. It acts as an alarm system for service engineers and hospital management. Alerts via SMS and e-mail for all issues that cause malfunctions and expensive repairs. It already has GE as a customer and has been installed successfully in Egypt, Nigeria, Kenya, South Africa, KSA, UAE, Malaysia, Singapore, Turkey, Tunisia, Algeria and India, with 1000 devices already sold.



Tamer Ahmed is a serial entrepreneur, a researcher and a self-described geek. Has more than 20 years of experience in the telecommunication field and has worked for Sprint (USA) and Orange (Egypt). He has led many teams to achieve world-recognized products like Internet for all, the winner of best telecommunication service in Africa-Com 2012. Tamer led the first technical team in Orange Major Service

Center in 2004 and was able to handle the global operations for installation support, leading the center to grow from less than 100 team members to more than 1500 members. Tamer has founded 6 startups in the technology domain, two of them were in the IoT domain, including BioBusiness, the latest successful IoT start-up for medical equipment.



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Category 4: Capacity Building in Science, Technology and Innovation

Islamic Finance for SDGs: Innovation-Based, Technology-Enabled Capacity Building at UNDP

@aamir_Rehman

The plan of the project is to fully engage Islamic finance partners and leverage Zakah financing for development targeting the SDGs. The project will build capacity to raise awareness and capacity among UNDP staff and partners in OIC countries about Islamic finance principles and the requirements of Islamic finance donors and partners; develop UNDP's policies that accommodate requirements pertaining to Islamic finance (e.g. rules for disbursing Zakah funds); and support systemic change by working with government bodies responsible for Zakah and Awqaf to enhance the collections and operations of these bodies.

The project will help to support the development community to leverage Islamic finance partnerships, through the creation of an online training platform – in partnership with IsDB's IRTI – that would build capacity at UNDP and across the development community working in the OIC member countries and beyond.



Aamir A. Rehman is a Senior Advisor at the United Nations Development Programme (UNDP). He is building the organization's strategy and approach to engaging with Islamic finance for the SDGs. In addition to his work at UNDP, Mr. Rehman is an asset manager and serves on corporate boards of directors. He is a Senior Fellow at Columbia Business School's Richman Center for Business, Law, and Public Policy. He has previously been an executive at Fajr Capital, HSBC Amanah, and

BCG. Mr. Rehman holds bachelor's, master's, and MBA degrees from Harvard University. He resides in Princeton Junction, New Jersey.



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Development of Family Medicine and Family Practice in the West Bank

@MedicalAidPal

Palestine's population faces severe 21st century health challenges - spiralling rates of non-communicable diseases and mental health problems, together with increasing costs of specialist hospital-based services. Family practice offers real solutions to many of these problems, by delivering high quality, continuous, comprehensive patient and family-centred care services to defined populations. Thus, the long-term goal of the project is to improve the quality of family practice in the West Bank. Its 2.6 million residents will benefit from better health outcomes through training the next generation of family medicine specialists and from the embedding of family practice within the primary health care system.



Johnny Rebours is a Development Officer at MAP managing relationships with institutional and major donors, keeping them updated on project developments and tracking the progress of their contributions to MAP's work. Prior to joining MAP in 2017, he worked for the British Institute of Human Rights after completing his MA in Applied Human Rights. He has worked previously as a teacher in Lebanon, Vietnam, Japan and in the UK. He has also volunteered extensively in northern France working on the refugee crisis and in Ghana working on fair trade issues.



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Strengthening the Capacity of the Forum for African Women Vice Chancellors to promote gender inclusive participation in Science, Technology and Innovation

The Forum for African Women Vice Chancellors (FAWoVC) is an umbrella group of female university leaders in Africa that was created in 2017 to spearhead gender responsive training in higher education institutions and to increase the enrolment of female students in STEM, as well as galvanize women to take up leadership positions. As of June 2018, there were 40 women Vice Chancellors managing universities in Africa out of over 500 universities. The goal of the proposed project is to strengthen the capacity of FAWoVC to enable it to champion programs that support gender inclusive participation in STI in Mozambique, Sudan and Uganda, three countries that are disproportionately underrepresented in terms of women in STI compared to other African countries. In doing so, it will engage Vice Chancellors in Universities across Africa.



Mary Jossy Nakhanda Okwakol is a Ugandan university professor, academic administrator, zoologist and community leader. She is the current Vice Chancellor of Busitema University, one of the nine public universities in Uganda. She has served in this position since October 2006.



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NEXT GENERATION (NEXT-GEN) @yaseminSomuncu

The Center for Energy, Environment and Economy (CEEE) developed a module to be used in the curriculum and a roadmap for energy audit and energy efficient public building renovation. CEEE aims to transfer this know-how to the economically least developed part of Turkey and to Mauritania, Niger and Tunisia. In the present proposal, NEXT-GEN, we aim at contributing to establishing a solid culture on energy efficiency education, starting from as many vocational and technical schools as possible. We will carry on our experience from Istanbul to Southeast Turkey, and later on, as a first step to the world, in three African countries Mauritania, Niger and Tunisia. These efforts will be administered by Center for Energy, Environment, and Economy (CEEE) at Özyeğin University in Istanbul. The know-how gained by CEEE from the EU projects carried out during the last 6 years will be the basis for a scaled-up effort towards a large number of buildings.



Yasemin Somuncu received her BArch degree in Architecture from Middle East Technical University in Ankara, Turkey (METU). She received her MA in Environment and Energy Studies from the Architectural Association Graduate School in London, UK (AA). She has several years of experience in the field and is collaborating with different NGOs. She has been a Senior Researcher in the Center for Energy Environment and Economy (CEEE) in Özyeğin University, İstanbul and has been coordinating New Energy Efficient Demonstration for Buildings (NEED4B), Total Renovation Strategies for Energy Reduction in Public Stock (BRICKER) and Capacity Development for Future Builders (YENİ NESİL).



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Improving Wheat Research Capacity Through Intensive Scientific Training and Long-Term Mentoring of Young Agricultural Scientists

Wheat is a critical staple crop for food security in almost every target country of the IsDB, and it is of crucial importance for food security, nutrition, and economic development in the least developed countries. Wheat production in all of these countries will be improved and made more sustainable through having well educated and well-prepared scientists in place who understand farmers' production challenges, lead their national breeding programs, collaborate with private sector partners and universities, and further science and innovation in their home country. This project seeks to enhance the wheat research and development capacity of Muslim countries, with particular emphasis on less-developed Muslim countries, by identifying promising young agricultural scientists, providing them in-service training at CIMMYT pairing them with a mentor scientist who will support their further professional development, and stimulating collaborative project development with other national and/or international research institutions.



Amor H. Yahyaoui, Tunisian-US citizen, earned his BSc (Agronomy), MSc (breeding) at Oregon State University and PhD in plant pathology at Montana State University. He carried out teaching responsibilities as a professor at the University of Tunis (1987-1998). He also worked at ICARDA as cereal pathologist and leader of plant protection project (1998-2009) then coordinated ICARDA-CIMMYT Wheat program (2009-2012). Amor joined CIMMYT as full time wheat training officer (2010-2016), then initiated CRP-Wheat Septoria phenotyping platform in Tunisia (2014-to date; active member and initiator of Borlaug training foundation and currently board member of BTF. Amor has a key interest in education and training young scientists in applied field research.



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TajRupt

Thanks to funding from STIF, nongovernmental organization TajRupt will launch Central Asia's first artificial intelligence research center in Tajikistan. The research center will focus on educating talented Tajikistani students in STEM through a structured AI curriculum, as well as providing a space for researchers to conduct applied research on AI. The project's mission is to transform Tajikistan into the regional hub for AI and advanced computing, accelerating the country's course of economic development while capitalizing on the talent base of its youth in STEM fields.



Azizjon Azimi is a Knight-Hennessy Scholar at Stanford University pursuing a concurrent-degree MBA from Stanford Graduate School of Business and MPP from Harvard Kennedy School. He graduated cum laude from New York University in 2016 with high honors in economics and honors in international relations. Upon graduation, he worked at United Nations Population Fund (UNFPA) and Simon-Kucher & Partners in New York. In April 2017, he returned to Tajikistan to launch

TajRupt – a nongovernmental organization pioneering youth access to civic education. TajRupt operates an Extracurricular Resource Center (ERC) in the northern city of Khujand that has enabled hundreds of local students to develop critical thinking skills through an after-school activism curriculum. Azizjon was recently honoured in the Forbes “30 Under 30” Asia list in social entrepreneurship category for his work on TajRupt.



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Innovative Sanitation Solutions and Reuse in Arid Region (ISSRAR) @BORDAwesca

In line with the Jordan National Water Strategy 2016-2025, the Implementing Consortium will adopt a transparent and participatory planning and implementation approach. Through the pro-active participation of the stakeholders involved, the project will focus on the needs and demands of vulnerable populations. Throughout the project, the Implementing Consortium will adapt an implementation framework based on lessons learned and proven best practices. The project will begin with a 10-month Inception Phase to be followed by an initial 3-year Implementation Phase.



Zeina Annab has a Bachelor's degree in Environmental Engineering from Carleton University, Canada. Ms. Annab is the Country Director of the Bremen Overseas Research Development Association (BORDA) Jordan Office. In her current position, Ms. Annab oversees important environmental and infrastructure programs such as Sanitation Solutions for Underserved Communities in Jordan which is among the most innovative in the country with its use to green infrastructure. Previously, she worked with ECO Consult, a leading development firm where she was responsible for carrying out environmental and social impact assessments reports for multiple renewable energy projects including stakeholder consultations, risk assessments, action plans and stakeholder engagement plans.



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AID:Tech @aidtechnology

There is a tremendous opportunity to establish a transformational platform that leverages the latest in blockchain technology with best-in-class accountability and transparency mechanisms to unleash the catalytic potential of Zakat and Sadaqah. AID:Tech enables the delivery of digital entitlements using blockchain technology and digital identity to connect donors with organizations and end-beneficiaries. Combining traceable service delivery with secure digital identity, not only can AID:Tech ensure that entitlements such as Sadaqah contribution reaches the end-user, down to their last-mile expenditure, but also provide unprecedented insight into global trends and patterns of the practice by using accumulative, transactional-level data. Data that will also be the key to addressing inefficiencies, wastage and fraud. The AID:Tech platform has piloted in partnership with the Irish Red Cross to make digital delivery of aid entitlement directly to Syrian refugees."



Prior to AID:Tech, **Grace Ma** worked with early-stage start-ups in blockchain, cryptocurrency and crowdfunding. Highly disciplined, she has a strong interest in socially and environmentally impactful innovation. She manages a diverse range of applications and programmes. Grace holds an MA from King's College London and a BA from the University of Warwick.



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TRANSFORM FUND

Closely aligned to the SDGs, the Transform Fund focuses on accelerating progress towards achieving greater food security; healthier lives; inclusive and equitable education; sustainable water management and sanitation; access to affordable, clean energy; and sustainable industrialisation across the developing world. Transform will ensure access to a vital flow of facilities to help finance innovative ideas linked to real development solutions. This will result in exciting new technologies and solutions, contributing to the development of IsDB member countries and Muslim communities in non-member countries.

This year we held our first two Transformers events in Kazakhstan and Bangladesh. Innovators from the regions were invited to pitch their ideas that support one or more of the SDGs to a high-level panel of experts, with the winner being awarded \$3,000. Six winners from these competitions have been invited to attend the Summit, alongside 30 grantees from the Transform Fund.

About the Islamic Development Bank

The Islamic Development Bank (IsDB) is a multilateral development bank that has been working for over 40 years to improve the lives of the communities it serves by delivering impact at scale.

We bring together 57 member countries across four continents, touching the lives of 1 in 5 of the world's population. We are one of the world's largest multilateral development banks, with an annual volume of operations above \$10 billion and subscribed capital of \$33 billion. The IsDB is headquartered in Jeddah, Saudi Arabia, with major hubs in Morocco, Malaysia, Kazakhstan and Senegal, and gateway of offices in Egypt, Turkey, Indonesia, Bangladesh and Nigeria.

Our mission is to equip people to drive their own economic and social progress at scale, putting the infrastructure in place to enable them to fulfil their potential. We build collaborative partnerships between communities and nations, and work towards the UN Sustainable Development Goals, by harnessing the power of science, technology and innovation and fostering ethical and sustainable solutions to the world's greatest development challenges.



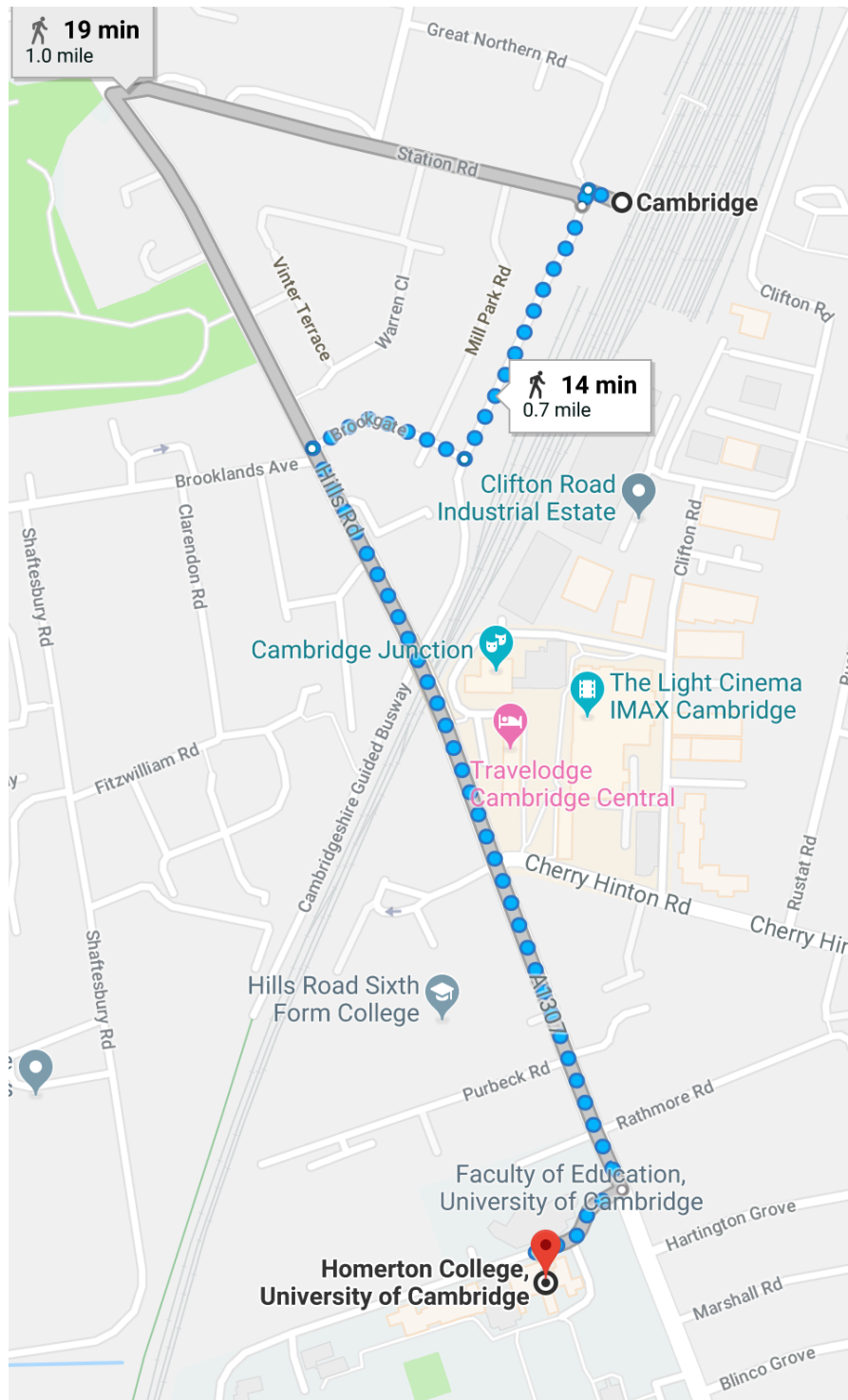
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KEY LOCATIONS AND ROUTES:

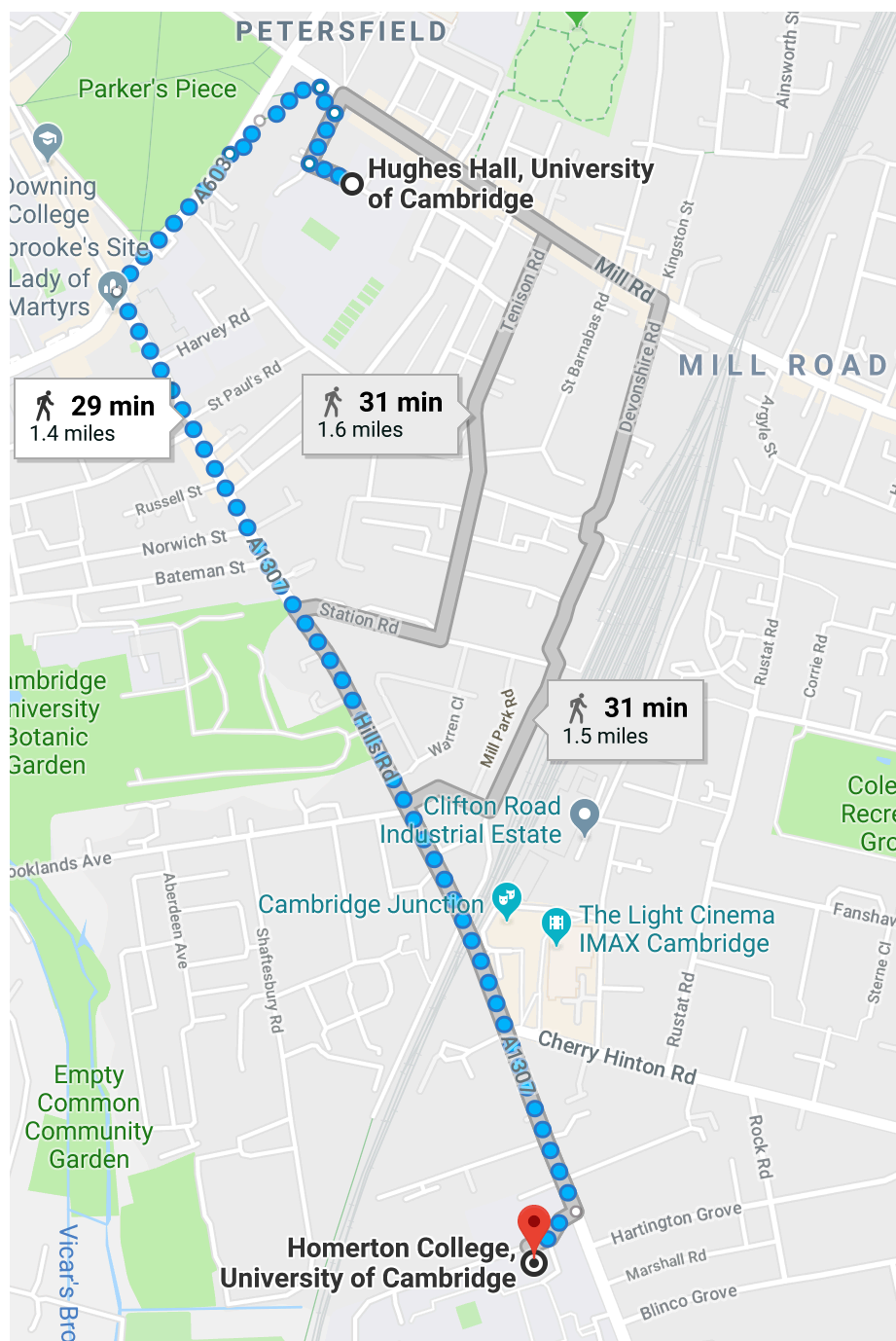
FROM: CAMBRIDGE TRAIN STATION

TO: HOMERTON COLLEGE, UNIVERSITY OF CAMBRIDGE

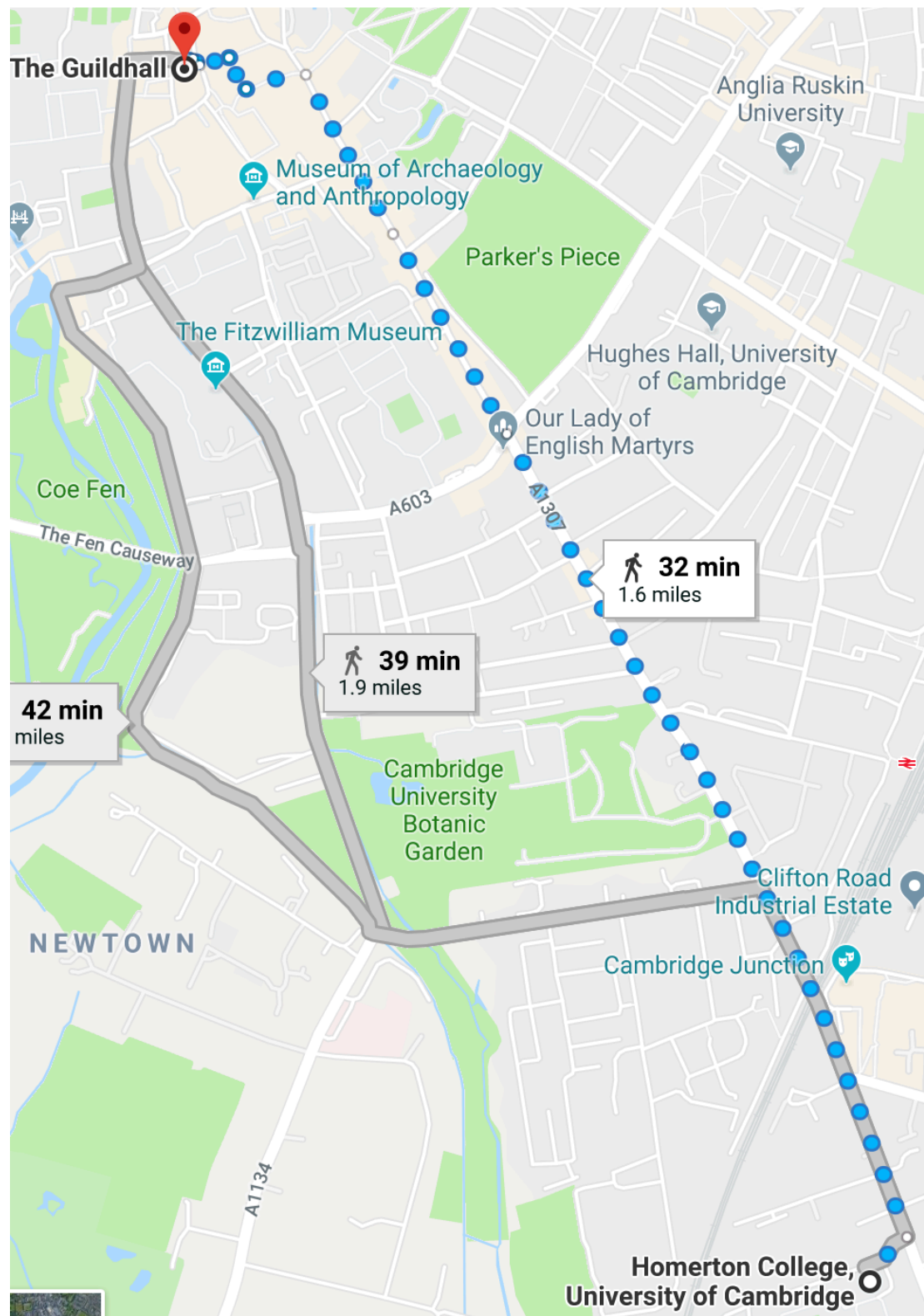


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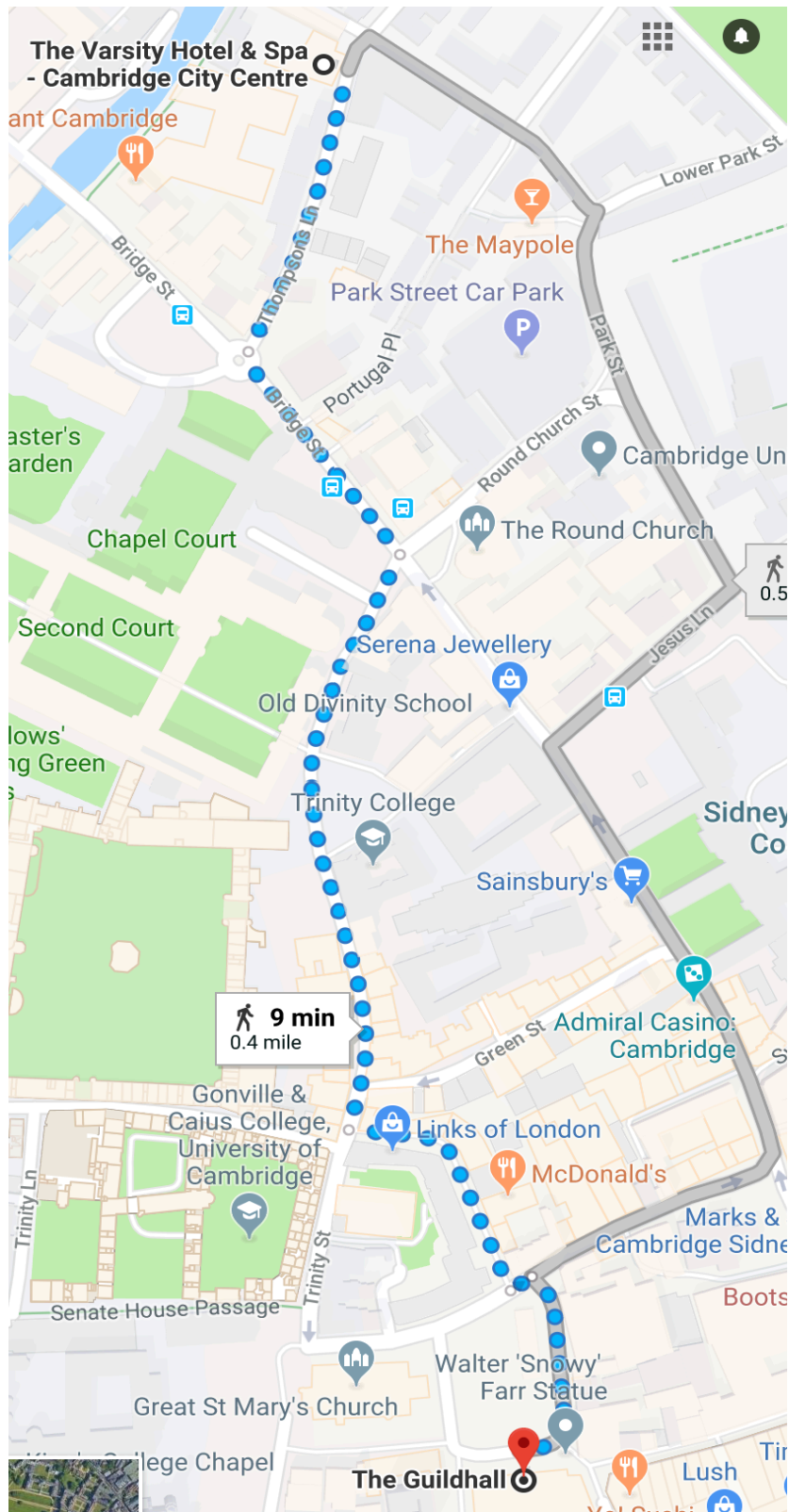
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TO: HOMERTON COLLEGE, UNIVERSITY OF CAMBRIDGE



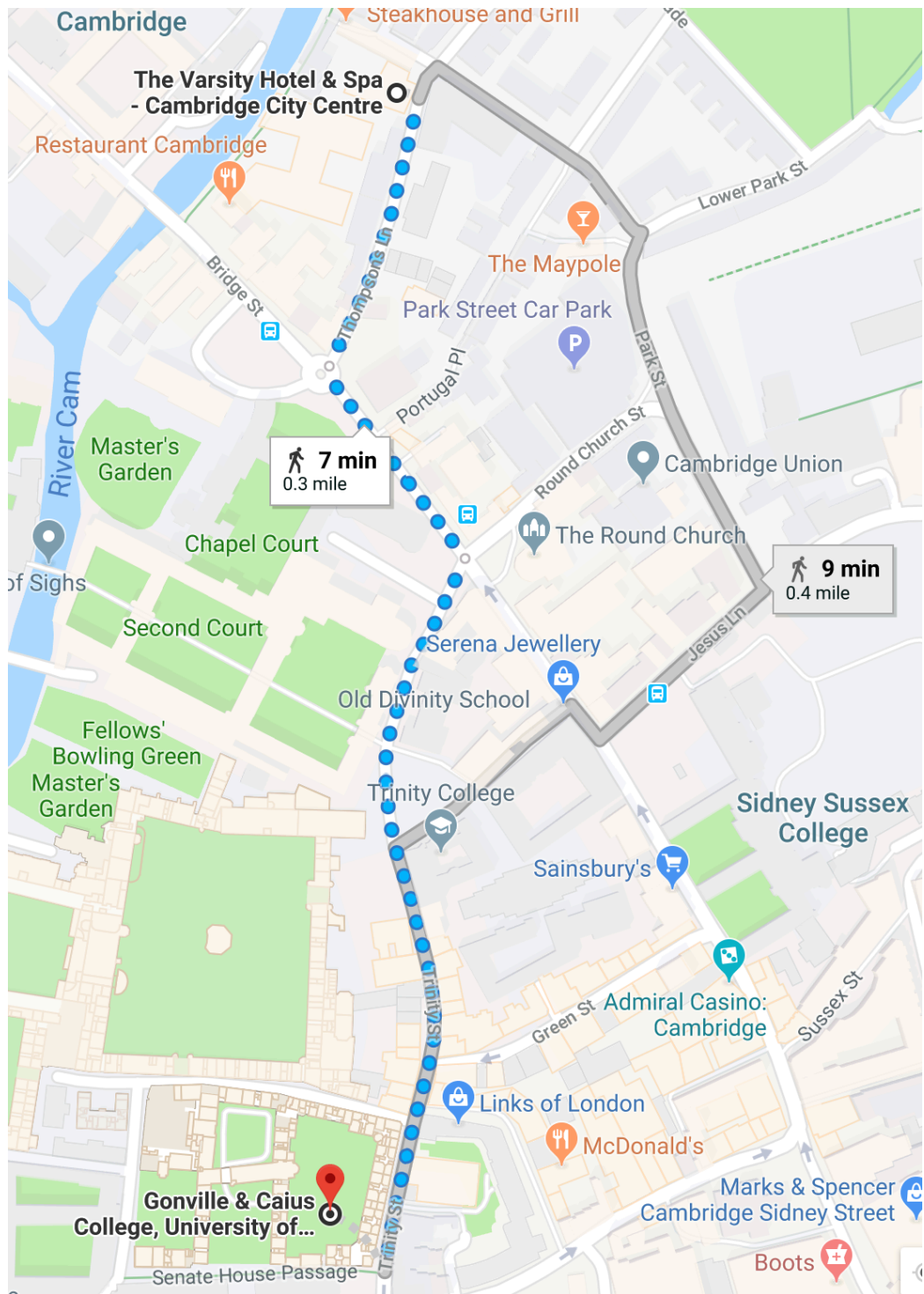
FROM: HOMERTON COLLEGE, UNIVERSITY OF CAMBRIDGE
TO: THE GUILDHALL



FROM: THE VARSITY HOTEL
TO: THE GONVILLE, UNIVERSITY OF CAMBRIDGE



FROM: THE VARSITY HOTEL
TO: THE GONVILLE COLLEGE



GATWICK AIRPORT TO YOUR ACCOMMODATION:

STARTING POINT

Gatwick Airport

Horley, Gatwick RH6 0NP



Gatwick Airport: Gatwick express to Victoria Station

➤ Gatwick Express to London Victoria
28 min (non-stop)



Victoria Station

🚶 Walk
About 1 min



Victoria Station: underground to King's Cross

🚇 Victoria to Walthamstow Central
8 min (5 stops)



King's Cross St. Pancras Underground Station

🚶 Walk
About 2 min



King's Cross: train to Kings Lynn

➤ Great Northern to Kings Lynn
53 min (3 stops)



🚶 Walk
About 16 min, 0.8 mi



Homerton College, University of Cambridge

Homerton College, Hills Rd, Cambridge CB2 8PH



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HEATHROW TO YOUR ACCOMMODATION:


STARTING POINT

Heathrow Airport

Longford




 **Walk: about 9 min , 0.4 mi to Heathrow Terminal 4**

 **Piccadilly to Cockfosters: underground to King's Cross Station**
1 h 4 min (24 stops)




King's Cross St. Pancras Underground Station

 **Walk to the train station from the Underground Station: about 3 min**



King's Cross: train to Kings Lynn

 **Great Northern to Kings Lynn**
54 min (3 stops)



Cambridge

 **Walk: about 16 min, 0.8 mi**



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Homerton College, Hills Rd, Cambridge CB2 8PH



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