Frontiers of Development Symposium:

*Inclusive Prosperity and Wellbeing in the Context of Mass Displacement*

Welcome Pack

**Date:** 11 - 14 February 2018

**Location:** Park Inn Kigali, Rwanda

#FrontiersDev @RAEngGlobal
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Welcome from the Chairs

As Chairs, we are delighted to welcome you to the Inaugural Royal Academy of Engineering Frontiers of Development Symposium on 'Inclusive Prosperity and Wellbeing in the Context of Mass Displacement’

You have been invited to this event because you are amongst the future leaders of your field. Participation in this symposium will open doors to a global network of talented researchers and practitioners. You are also joining a broader network of people who aim to make a real difference. We hope you will take this opportunity to talk, share ideas and explore interdisciplinary approaches to address the grand challenges faced by our planet.

Contributions to addressing the world’s most pressing development challenges are increased manifold by combining the varied skills of social scientists, engineers, medical scientists and natural scientists, from provision of essential resources and services, to enhancing resilience to natural and man-made hazards and opening opportunities for trade and sustainable growth. This symposium aims to promote international development, encourage collaborative work and facilitate cross-disciplinary thinking among the next generation of leaders.

Challenge-led research at the frontiers of traditional disciplines is particularly likely to lead to real economic and social impacts. If we want to resolve these challenges, we need to connect the future leaders across all disciplines by building strong links between academia, business, civil society and government across the world. The Academy, through its Frontiers of Development programme, is proud to promote capacity building and pathways to impact for individuals from all disciplines across the globe who are tackling global challenges.

We hope that the symposium is enjoyable, exciting and productive, and we wish you every success.

Professor Dilanthi Amaratunga
Director, Global Disaster Resilience Centre, University of Huddersfield

Professor Henrietta Moore FBA
Director, Institute for Global Prosperity, University College London
Introduction to the Royal Academy of Engineering

As the UK’s national academy for engineering, the Royal Academy of Engineering brings together the most successful and talented engineers from across the engineering sectors to advance and promote excellence in engineering.

The Academy is a delivery partner of the UK Government’s Global Challenges Research Fund that supports cutting-edge research to address the challenges faced by developing countries. The GCRF funds the Joint Resilient Futures Initiative; a group of 4 separate Cross-Academy programmes – Frontiers of Development is the Academy’s contribution.

Introduction to Frontiers of Development

The Frontiers of Development programme will work to engage expertise from the 4 UK Academies to hold 2 symposia a year in developing countries, bringing together participants from engineering, medical, social and science backgrounds across industry and academia to encourage interdisciplinary collaborations on global challenges with the SDGs at the heart.

The themes of the events are created with input from all the academies, via a Cross-Academy Steering Group, to ensure they are interdisciplinary. In each symposium, three themed sessions will take place over 2.5 days, featuring talks, roundtables and interactive activities aimed at sparking collaborations. After the symposium, participants will be prompted to form interdisciplinary collaborations to apply for a GCRF Networking Grant.

Structure of the symposium

The symposium will consist of 3 sessions over 2.5 days interspersed with networking opportunities, receptions and dinners.

Themes

- Drivers of Mass Displacement
- Shared Spaces and Services
- Enhancing Value

Networking opportunities

- Networking dinner
- Participant countdown
- Monday Dinner
- Tuesday Dinner
- Group Collaboration Session
- Tour of Kigali
- Linking up/ Proposal Planning

All the networking sessions will be described in more detail on page 7.

Funding opportunity GCRF Networking Grants – Round 2: 28 January – 21 March

Participants are invited to apply for GCRF Networking Grants, Run by the Academy of Medical Sciences. The awards provide up to £25,000 over 1 year to hold networking events, supporting collaborations between developing countries and the UK looking at global challenges.
The Academy of Medical Sciences will work collaboratively across the GCRF delivery partners to ensure that these grants provide opportunities for researchers, drawn from a wide spectrum of disciplines and backgrounds, to develop new collaborations, improve interaction between UK researchers and those in developing countries and build communities of researchers that can submit high quality applications for other GCRF funding calls. The Scheme is now open and will close on 21st March 2018. You will find more details and via this link, and in the guidance note, attached.
Travel
Your travel should already be arranged through our travel agent, Key Travel. If you have any questions relating to travel, or it is not already arranged, please contact them directly at: eventtravel@keytravel.com quoting the reference number LQJ5GS. You can also contact the Key Travel team. Once your booking has been made, please download the Key Travel app to help manage your booking, [here].

Please note that if you are travelling from outside Rwanda, you are responsible for arranging your own transport to and from your airport of origin. Please note that travel insurance cannot be arranged for you by the Academy – please arrange your own travel insurance.

Airport transfers to and from the Park Inn will be arranged for you, grouping you into taxis with other participants where possible. At the airport, please look out for a sign with either your name on, or with the RAEng logo. If you need logistical support (including for your airport transfers) throughout the event, please contact Laura from our on-the-ground team, Wedgewood event support. If you require taxi services during the symposium, please ask at the hotel reception or call Wedgewood the same number.

Return Flights – There is an extensive security procedure for entering Kigali International Airport. This is a mandatory and will take time. This has been incorporated into transfer logistics, but it is paramount that the transfer times given by Wedgewood are adhered to.

Accommodation
Bookings for all participants who have requested accommodation, have been made at the Park Inn. Please note that unless you specified otherwise in your registration form, you will only be booked in between 11th - 14th February. Please get in touch urgently if you require extra nights and have not already let us know.

What to Prepare
1-minute presentation (without slides)
On the first day, you are invited to present yourself and your work. All participants will give a 1 minute, ‘elevator pitch’ style summary of their work and what they want to get out of the symposium. Please make sure you have prepared this before you arrive – timing will be strict!

What to bring
Business Cards
Please be sure to bring your business cards.
Documentation
Any material you might need about your research/innovation/technology during the symposium.
Personal belongings and dress code
Please bring your personal laptop, and adaptor (for Rwandan power sockets). We hope for lovely weather, but sadly this can’t be guaranteed; please bring something for wet weather in case it rains. Please do not forget your passport and visa if required. The dress code is business casual.
# AGENDA

## SUNDAY 11th February

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>15.00</td>
<td>Participants arrive and check-in</td>
<td>Park Inn Kigali</td>
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<tr>
<td>18.30</td>
<td>Registration and Reception</td>
<td>Mkombozi Room</td>
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<tr>
<td>18.45</td>
<td>Ice breaker</td>
<td>Mkombozi Room</td>
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<tr>
<td>19.30</td>
<td>Welcome Dinner</td>
<td>Mkombozi Room</td>
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## MONDAY 12th February

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<thead>
<tr>
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<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>09.00</td>
<td>Welcome from Event Chairs</td>
<td>Mkombozi Room</td>
</tr>
<tr>
<td>09.30</td>
<td>Participant Countdown</td>
<td>Mkombozi Room</td>
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<tr>
<td>11.00</td>
<td><em>Tea and coffee break</em></td>
<td>Mkombozi Foyer</td>
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<tr>
<td>11.30</td>
<td>Session 1: Drivers of Mass Displacement</td>
<td>Mkombozi Room</td>
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<tr>
<td>13.30</td>
<td>Lunch</td>
<td>Live-Inn</td>
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<tr>
<td>14.30</td>
<td>Session 2: Shared Spaces and Services</td>
<td>Mkombozi Room</td>
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<tr>
<td>16.30</td>
<td><em>Tea and coffee break</em></td>
<td>Mkombozi Foyer</td>
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<tr>
<td>17.00</td>
<td>Free Time</td>
<td>Mkombozi Room</td>
</tr>
<tr>
<td>18.45</td>
<td>Meet in Park Inn lobby for transfer to dinner off-site at Pili Pili Restaurant</td>
<td>Park Inn Kigali</td>
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<tr>
<td>21.30</td>
<td>End of Dinner – Return transfer to Park Inn</td>
<td>Pili Pili Restaurant</td>
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## TUESDAY 13th February

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<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>09.00</td>
<td>Keynote: Economic Inclusion for Refugees, Jakob Oster, UNHCR</td>
<td>Mkombozi Room</td>
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<tr>
<td>09.20</td>
<td>Session 3: Enhancing Value</td>
<td>Mkombozi Room</td>
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<tr>
<td>11.20</td>
<td><em>Tea and coffee break</em></td>
<td>Mkombozi Foyer</td>
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<tr>
<td>11.45</td>
<td>Funding Opportunities</td>
<td>Mkombozi Room</td>
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<tr>
<td>13.00</td>
<td>Lunch</td>
<td>Live-Inn</td>
</tr>
<tr>
<td>14.00</td>
<td>Meet in Park Inn lobby for afternoon tour to Kigali Genocide Museum and 1000Hills Brewery</td>
<td>Park Inn</td>
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<tr>
<td>14.30</td>
<td>Kigali Genocide Museum Visit</td>
<td>Kigali Genocide Museum</td>
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<tr>
<td>16.00</td>
<td>1000Hills Brewery Visit</td>
<td>1000Hills Brewery</td>
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<tr>
<td>19.30</td>
<td>Arrive at Heaven Restaurant</td>
<td>Heaven Restaurant</td>
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<tr>
<td>22.00</td>
<td>Transfer back to Park Inn</td>
<td>Park Inn Kigali</td>
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**WEDNESDAY 14ᵗʰ February**

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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>09.00</td>
<td>Keynote Address: H.E. Jo Lomas, UK High Commissioner to Rwanda, Ambassador to Burundi</td>
<td>Mkombozi Room</td>
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<tr>
<td>09.15</td>
<td>Keynote Address: Rose Wabuhihi, Chief Gender Monitor, Gender Monitoring Office, Rwanda</td>
<td>Mkombozi Room</td>
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<tr>
<td>09.30</td>
<td>Rwandan Refugee Camps: Case Study Session</td>
<td>Mkombozi Room</td>
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<td>10.15</td>
<td>Frontiers Insights</td>
<td>Mkombozi Room</td>
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<tr>
<td>11.30</td>
<td><em>Tea and coffee break</em></td>
<td>Mkombozi Foyer</td>
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<tr>
<td>11.45</td>
<td>Linking up – planning the proposals</td>
<td>Mkombozi Room</td>
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<tr>
<td>12.30</td>
<td>Informal Presentations/Feedback Session</td>
<td>Mkombozi Room</td>
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<tr>
<td>13.00</td>
<td>Lunch</td>
<td>Live-Inn</td>
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<tr>
<td>14.00</td>
<td>Closing Comments from Chairs</td>
<td>Mkombozi Room</td>
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<tr>
<td>14.00</td>
<td>Departure</td>
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SESSION DETAILS

Drivers of Mass Displacement
Session co-chairs: Dannielle Botti, Regional Mixed Migration Secretariat

1. **Natural Disasters: Displacement, relocation and return** Speaker: Dr Nishara Fernando, University of Colombo
2. **Fluid status of refugees and IDPs and their return to conflict-affected areas** Speaker: Dr Irina Kuznetsova, University of Birmingham
3. **Can Ethiopia use the CRRF to give a durable solution to the problem of refugees?** Speaker: Tsion Abebe, Institute of Security Studies, Ethiopia

Shared Spaces and Services
Session co-chairs: Dr Jayati Das-Munshi, Kings College London & Dr Leopold Mbereyaho, University of Rwanda

1. **Healthcare performance and resilience: redesigning the system** Speaker: Dr Nebil Achour, Anglia Ruskin University
2. **Mental health services and disaster response in low resource settings** Speaker: Dr Stephen Sevalie, Sustainable Health Sierra Leone
3. **Concerning mass displacement: roots, causes and effects and inclusive integration: Case study of Rwandan refugees in Burundi (1959-1994)** Speaker: Dr Gaspard Gapayari, University of Rwanda
4. **Access to education and health services among refugees in Nairobi** Speaker: Edmund Lang’at, Xavier Project

Enhancing Value
Session chair: Professor Siri Hettige, University of Colombo & Corinne Gray

1. **Conflict-sensitive employment: Doing things differently in FCAS settings** Speaker: Rabia Nusrat, International Alert
2. **Job Creation in complex contexts: Challenges from post-war Sri Lanka** Speaker: Dr Udan Fernando, Centre for Poverty Analysis (CEPA) Colombo
3. **Large scale displacement of civilians during the three decades of civil war in Sri Lanka and the challenges of resettlement** Speaker: Dr Ganesh Murugesu, University of Colombo
4. **Integrating refugees into the Labour Market: Experiences from Germany** Speaker: Eva Degler, OECD Directorate of Employment, Labour and Social Affairs

Rwandan Refugee Case Study Session
Chair: Dr Anh Tran, Coventry University
Panel: Anna Okello, Practical Action Consulting
Jelte Harnmeijer, Scene Consulting
Denyse Umubyeyi, Practical Action Consulting
NETWORKING ACTIVITIES

Participant countdown

Participant countdown is the first networking activity, and provides a chance for all participants to introduce themselves and their work. The participants will be divided into four groups of 15 people. During the first 15 minutes, each member of group A will have 1 minute to introduce themselves to the rest of the symposium attendees. Then, after all 15 group A participants have spoken, there are 15 minutes when people are free to approach those who have just spoken to ask further questions. Rounds of 15 minutes of presentations and 15 minutes of discussions will follow for groups B, C and D until all the participants have introduced themselves.

Frontiers Insights

This session is designed to capture key messages and discussions from the event. The messages will contribute to a short report that will be shared online and in print after the event. Six flip charts will be positioned around the room, each with a key question/challenge drawn from one of the themed sessions that took place over the first two days of the event. A session or event chair will lead a discussion around each question or challenge, taking notes on the flip chart. We encourage an open and collaborative debate, where all points of view are respected and listened to. Please note that this session will operate under Chatham House Rule to encourage a free and honest discussion. Based on the discussion, each group will work together to craft two or three sentences in answer to the question/challenge. Each flip chart group has 1 minute to feed back their discussion to the room, and two minutes for questions/comments. This will give a chance to gather further input and/or additions to each insight.

Linking up

The ‘linking up’ session aims to provide you with the building blocks for interdisciplinary collaboration. During this session, you will work with the participant(s) you would like to start an interdisciplinary collaboration with to complete the Linking up sheet. This will help you to clarify your ideas, aims and start building a plan.

In this session, each collaboration will be given the opportunity to pitch their ideas to the rest of the room for feedback and/or for other people working on a similar project to join forces.

Linking up sheets will be provided at the event.


The call for applications for the GCRF Networking Grants is now open. You can find details of the scheme in your welcome pack or by following the link here (acmedsci.ac.uk/grants-and-schemes/grant-schemes/gcrf-networking-grants)

Guidance can be found here and FAQs can be found here

Please talk to Alice Holt or Kelly Howard (who will be in Kigali) for more information.
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<tr>
<th>Name</th>
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<tr>
<td>Alex Ndibwami</td>
<td>Uganda Martyrs University</td>
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<td>Anand Upadyay</td>
<td>Renewable Energy Technologies, The Energy &amp; Resources Institute (TERI)</td>
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<td>Anh Tran</td>
<td>Coventry University</td>
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<td>Anna Okello</td>
<td>Practical Action Consulting</td>
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<td>Bernard Ulimwengu</td>
<td>Energy4Impact</td>
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<td>Champika Liyanage</td>
<td>University of Central Lancashire</td>
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<td>Corinne Gray</td>
<td>Massachusetts Institute of Technology (MIT)</td>
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<td>Danielle Botti</td>
<td>Regional Mixed Migration Secretariat</td>
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<td>Denyse Umubyeyi</td>
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<td>Dilanthi Amaratunga</td>
<td>University of Huddersfield</td>
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<td>Dominic Davies</td>
<td>University of Oxford</td>
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<td>Edmund Lang’at</td>
<td>Xavier Project</td>
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<td>Elizabeth Nanziri</td>
<td>University of Oxford</td>
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<td>Esther Mwangi</td>
<td>Regional Mixed Migration Secretariat</td>
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<td>Eva Degler</td>
<td>OECD, Directorate for Employment, Labour and Social Affairs</td>
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<td>Gaparayi Gaspard</td>
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<td>Ganesh Murugesu</td>
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<td>Gina Netto</td>
<td>Herriot-Watt University</td>
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<td>Gloria Iyawa</td>
<td>University of Namibia</td>
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<td>Goodman Kazoora</td>
<td>UN-Habitat/Uganda Martyrs University</td>
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<td>Hannah Cooper</td>
<td>Refugee Action</td>
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<td>Helen Liebling</td>
<td>Coventry University</td>
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<td>Henrietta Moore</td>
<td>University College London</td>
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<td>Hesham Ahmed</td>
<td>Deutsche Gesellschaft für Internationale Zusammenarbeit (GiZ)</td>
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<td>Institution</td>
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<tr>
<td>Irina Kuznetsova</td>
<td>University of Birmingham</td>
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<td>Isaac Akinwumi</td>
<td>Covenant University</td>
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<td>Iwona Janicka</td>
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<td>Jasmine Pearson</td>
<td>RedR UK</td>
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<td>Jayati Das-Munshi</td>
<td>Kings College London/Kings College Hospital</td>
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<td>Jelte Harnmeijer</td>
<td>Scene Connect Ltd</td>
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<td>Jo Rose</td>
<td>York University</td>
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<td>Jon Silverman</td>
<td>University of Bedfordshire</td>
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<tr>
<td>Karunesh Gupta</td>
<td>Birla Institute of Technology &amp; Science</td>
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<tr>
<td>Konstantina (Nantina) Tsekeri</td>
<td>Defence for Children International Greece/Glasgow University School of Law</td>
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<tr>
<td>Leanne Townsend</td>
<td>University of Aberdeen</td>
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<td>Leopold Mbereyaho</td>
<td>University of Rwanda, College of Science and Technology</td>
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<td>Majd Jayyousi</td>
<td>University of Manchester</td>
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<td>Manlio Machieletto</td>
<td>University of Rwanda, College of Science &amp; Technology</td>
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<tr>
<td>Marie Adeyemi</td>
<td>Dreamnetworks/University College London</td>
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<td>Matt Kandel</td>
<td>SOAS</td>
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<td>Martin Oteng-Ababio</td>
<td>University of Ghana</td>
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<td>Nathaniel Powell</td>
<td>King's College London</td>
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<td>Nerea Amoros Elorduy</td>
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<td>Nebil Achour</td>
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<td>Nishara Fernando</td>
<td>University of Colombo</td>
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<td>Priti Parikh</td>
<td>University College London</td>
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<td>Rabia Nursat</td>
<td>International Alert</td>
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<tr>
<td>Richard Jalkebro</td>
<td>University of St. Andrews</td>
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<tr>
<td>Rose Wabuhihi</td>
<td>Gender Monitoring Office, Gov. of Rwanda</td>
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<td>Ruba Jayyousi</td>
<td>Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)</td>
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<tr>
<td>Siri Hettige</td>
<td>University of Colombo</td>
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<td>Sneha Krishnan</td>
<td>London School of Hygiene and Tropical Medicine</td>
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<tr>
<td>Stephen Sevalie</td>
<td>Sustainable Health Sierra Leone</td>
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<tr>
<td>Stuart Taberner</td>
<td>Research Councils UK</td>
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<tr>
<td>Sumit Pramanik</td>
<td>CSIR-Central Salt and Marine Chemicals Research</td>
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<td>Institute, Bhavnagar, India</td>
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<tr>
<td>Tamara Kamanga</td>
<td>Naresuan University</td>
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<td>Tashobya Stephen</td>
<td>Wekebere Company Ltd</td>
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<td>Tsion Abebe</td>
<td>Institute of Security Studies Africa</td>
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<td>Udan Fernando</td>
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<tr>
<td>Veronica Kiluva</td>
<td>Masinde Muliro University of Science and Technology.</td>
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<tr>
<td>Vijayata Sengar</td>
<td>University of Baroda</td>
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<tr>
<td>William Horsu</td>
<td>Institute for Sustainable Energy and Environmental Solutions (ISEES)</td>
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Event Chairs

**Professor Dilanthi Amaratunga FHEA, FRICS**

Dilanthi is a Professor of Disaster Risk Management and Reduction. Based at the University of Huddersfield, UK, she is the Head of its Global Disaster Resilience Centre. She is a leading expert in disaster resilience with an international reputation with specific emphasis on the built environment, and championing the under representation of women in this key research area. Her research focuses on Socio-economic measures for disaster risks; preparedness for response, recovery and reconstruction; built environment dimensions of climate change and sustainability; gender and protection; and public policy, governance and procurement.

Dilanthi also has lead and chaired many international conferences, published over 400 peer reviewed articles and project managed several major international collaborative research projects to successful completion. She provides expert advice on disaster resilience to national and local governments, and international agencies. She chairs the United Nations Working Group on Words into action on Accountability and Governance as well as being the joint editor-in-chief of the International Journal of Disaster Resilience in the Built Environment. Among other international awards and prizes, she is a Fellow of the Royal Institution of Chartered Surveyors (RICS).

**Professor Henrietta L. Moore FBA**

Henrietta L. Moore is the Director of the Institute for Global Prosperity at UCL, where she also currently holds the Chair in Culture, Philosophy and Design. A distinguished anthropologist and cultural theorist, she has focused her recent work on the notion of global sustainable futures.

By rethinking how knowledge is produced, challenging current economic models, and identifying overlooked social and political dynamics, Professor Moore’s approach places notions of well-being, institutional change, citizenship, and social justice at the focal point of her research. She is actively involved in the application of social science insights to policy at all levels.

Professor Moore has over 30 years’ experience working throughout Africa and is committed to involving grassroots communities in the production of new types of knowledge through ‘citizen science’. Among numerous visiting appointments during her career, she is a Fellow of the British Academy, a Fellow of the Royal Society of Arts, an Academician of the Learned Societies for the Social Sciences.

Session Co-Chairs

**Drivers of Mass Displacement**

**Danielle Botti, Regional Mixed Migration Secretariat, Danish Refugee Council**

Danielle Botti is the Coordinator for the Regional Mixed Migration Secretariat (RMMS) for East Africa and Yemen based in Nairobi. She has over a decade of experience working in emergency and post-conflict contexts, working on humanitarian response with migrant populations including delivering assistance and building protection mechanisms for vulnerable groups.
**Shared Spaces and Services**

**Dr Jayati Das-Munshi, Kings College London/Kings College Hospital**

@JayDasMunshi

Jayati is a Clinician Scientist in the Department of Health Service & Population Research, at the Institute of Psychiatry, Psychology & Neuroscience (KCL). Her current programme of research is called 'E-CHASM' (Ethnicity and Cardiovascular Health inequalitities in Severe Mental illness). This examines cardiovascular health inequalities faced by people who live with severe mental illnesses (SMI) within ethnic minority groups. Her broader research interests relate to ethnic minority mental health inequalities. Work in this area has focused on the role of the social environment in ‘buffering’ against adverse experiences such as discrimination for the mental health of ethnic minority and migrant people

**Dr Champika Liyanage, University of Central Lancashire**

Champika is currently working as a Reader in Facilities Management in the School of Engineering in the University of Central Lancashire. Champika is actively involved in research relating to funding and financing; sustainable construction; health and wellbeing; and facilities and infrastructure management. She has published over 100 peer-reviewed publications to-date. She also has experience in many funded research projects including Horizon 2020, Erasmus+, EU COST and FP7.

**Enhancing Value**

**Professor Siri Hettige, University of Colombo**

@hettige_siri

Siri Hettige is Senior Professor of Sociology at the University of Colombo. He is former Head of Sociology, former Dean of the Faculty of Arts at the same University and former President of the Sri Lanka Sociological Association. His other positions include Chairman, Social Science National Committee of the NSF, Sri Lanka, Adjunct Professor at RMIT University, Australia, and Adjunct Research Associate at Monash University, Australia. He has many publications to his credit on such diverse topics as social inequality, social protection, youth unrest, education and health policy, ethnic conflict and migration. These include a number of books, edited volumes and more than a hundred papers published in edited volumes and refereed journals. He has also served on a number of government commissions and committees as a member as well as an advisor over a period of 20 years. He has been a consultant to a number of international organizations such as the ILO, the World Bank and IOM.

**Corinne Gray, MIT Sloan Fellow Innovation and Global Leadership**

@corinnelgray

Corinne Gray is an MIT Innovation Fellow exploring new models of funding emerging market entrepreneurs. She previously served as an Innovation Officer at UNHCR and now advises the Miller Center for Social Entrepreneurship on refugee issues. Corinne is currently raising a multi-million-dollar fund for ventures that help refugees and migrants.
Participants and speakers

Alex Ndibwami, Uganda Martyrs University @ANdibwami

Alex is a lecturer/researcher in Architecture. His interests include approaches to architectural education; user behaviour and how it shapes or is shaped by architecture and; sustainability in the built environment. His recent work focuses on built environment pedagogy, policy, processes and urbanising communities.

Anand Upadyay, The Energy and Resources Institute

Anand is passionate about all things Solar with specific interests in distributed solar power and energy policy. He has more than 8 years of experience in solar and other renewable energy technologies in project management, modelling and simulation of energy systems, system design and installation, and capacity development projects.

Anh Tran, Coventry University

Anh is a Senior Lecturer of Humanitarian Engineering at Coventry University and head of research for UNESCO UNITWIN Network in Humanitarian Engineering. Her research is on water and sanitation, renewable energy, agriculture, waste management, humanitarian 3D printing and drones, social entrepreneurship and engineering education. She has successfully secured 6 projects over £1.5M from EPSRC, RAEng, Innovate UK.

Anna Okello, Practical Action Consulting @OkelloAnna

Anna Noëlle Okello has a MSc. in International Development and is currently working with Practical Action Consulting as their Energy Project Manager. The projects she manages are all on Humanitarian Energy, which leads to her spending significant time in refugee camps and settings of displacement. Anna is based in Nairobi.

Bernard Ulimwengu Ngarambe, Energy4impact @Energy4Impact

Bernard Ulimwengu is a Masters Holder in Agriculture and Applied Economics with specialization in Agriculture marketing and Price analysis obtained from Jomo Kenyatta University of Agriculture and Technology (JKUAT, Kigali campus). He is coming with more than 5 years’ experience working in energy sector and Business development services.
Champika Liyanage, University of Central Lancashire

Champika is currently working as a Reader in Facilities Management in the School of Engineering in the University of Central Lancashire. Champika is actively involved in research relating to funding and financing; sustainable construction; health and wellbeing; and facilities and infrastructure management. She has published over 100 peer-reviewed publications to-date. She also has experience in many funded research projects including Horizon 2020, Erasmus+, EU COST and FP7.

Dominic Davies, University of Oxford @DrDomDavies

Dom is a British Academy Postdoctoral Fellow at the English Faculty, University of Oxford. His main research interests include: colonial/postcolonial literature and culture; cultural urban studies; infrastructure and literature; comics and graphic novels; resistance literature.

Edmund Lang’at, Xavier Project @EddLangat

Edmund is a Programme Management/Humanitarian Affairs professional with over 8 years’ experience in programme management, monitoring and evaluation and research. He has extensive knowledge in the humanitarian sector, human rights, civic education and training and forced migration issues (refugees, asylum seekers, IDPs and stateless persons), political and humanitarian situations.

Elizabeth Nanziri, University of Oxford

Elizabeth is a Newton International Fellow of the Royal Society and a British Academy Scholar. Under the mentorship of Professor Stefan Dercon, my research field is development economics focussing on financial inclusion for households and firms; household welfare and behavioural economics. I hold a PhD in Economics from the University of Cape Town (UCT) in South Africa.

Eva Degler, OECD Directorate for Employment, Labour and Social Affairs @EvaDegler

Eva Degler is working at the International Migration Division of the OECD in Paris as a policy analyst, currently focusing on the topics of diversity policies, labour market integration of refugees and vocational education. She holds a Liberal Arts degree (Amsterdam University College) and a MSc in Migration Studies (University of Oxford).
Murugesu Ganeshamoorthy, University of Colombo

Murugesu is an Economist/Senior Lecturer at Department of Economics at the university of Colombo in Sri Lanka. His research interests include foreign direct investment and peace and conflict studies.

Gaparayi Gaspard, University of Rwanda

Senior Lecturer, socio-anthropology specialized in Gender with Education and Educationalist Planner, my fields of interest both in research and lecturing are development based. Furthermore, I have a long academic and administrative experience at higher national positions. My hobbies are basically sport(basketball), readings newspaper and scientific works. I speak fluently English, French and Kiswahili as foreign languages and of course my mother tongue, Kinyarwanda.

Gina Nett, Heriot-Watt University

Dr. Gina Netto is Reader/Associate Professor in Migration at Heriot Watt University. She has led several major research and consultancy projects for international organisations, government, quasi-governmental organisations and NGOs on the governance and adaptation processes of migrants and refugees in employment, housing/homelessness (mental) health, social care and the arts.

Gloria Ejehiohen Iyawa, University of Namibia

Gloria Ejehiohen Iyawa holds a Bachelor of Science (Honours) degree in Computer Science and Information Technology from the University of Namibia and a Master of Science degree from the University of South Africa. She has a PhD in Information Systems from the University of South Africa.

Goodman Kazoora, UN-Habitat

Goodman is an architect specializing in energy efficiency and sustainable design in the built environment. He has been working at UN-Habitat on regional projects with partner governments in East and Western Africa to promote energy efficiency and sustainability in the built environment. He is also a lecturer at the faculty of the built environment at Uganda Martyrs University.
**Hannah Cooper, Refugee Action** @hl_cooper

Hannah is Senior Policy Officer at Refugee Action, a UK-based NGO. She has previously worked for humanitarian and development organisations in the Occupied Palestinian Territory, Democratic Republic of the Congo, and Yemen. Hannah holds an MSc in Global Politics from the London School of Economics, with a focus on forced migration.

**Helen Liebling, Coventry University** @HelenLiebling22

Helen carries out research with survivors of conflict sexual and gender-based violence (SGBV) and torture in Africa, which aims to improve service responses. She was part of a panel that designed a five-year WHO research agenda and is a Tearfund steering group member that engages faith-based organisations in preventing SGBV.

**Hesham Ahmed, GIZ**

Hesham was born in Yemen, in 1984. He has B.A. in Languages and Mini Master in MBA. He currently studying Executive MBA. He has been privilege to work with international humanitarian and development organisations since 2009. He is currently working for GIZ as Regional Risk Management Officer based in Aden city.

**Irina Kuznetsova, University of Birmingham** @IrinaKuzn

Irina is a sociologist and social geographer. Her research expertise includes migration, religiosity, health, disabilities studies, social policy and accessible cities. She has led and participated in various applied and academic studies founded by regional bodies in Russia and also the European Commission, Open Society Institute, MacArthur Foundation, Russian Foundation for Humanities and others.

**Isaac Akinwumi, Covenant University**

Isaac Akinwumi is a Lecturer of Civil Engineering at Covenant University, Ota, Nigeria. He is involved in research works that promote the protection of the environment, its vital resources (such as, water resources), and public health. He is interested in collaborations to solve the most pressing global challenges.
Iwona Janicka, University of Warwick

Iwona Janicka is British Academy Postdoctoral Fellow at the University of Warwick. She specialises in contemporary continental philosophy and comparative European literature. Her current research focuses on the question of social transformation and world-building in recent French and German thought.

Jasmine Pearson, RedR UK @jktpearson

Jasmine works at RedR UK, an international NGO that trains and supports aid workers and humanitarian organisations on the frontline of disaster response and preparedness. As Trusts and Foundations Manager, Jasmine is involved in the development, pitching and evaluation of a range of capacity-building programmes.

Jelte Harnmeijer, Scene Connect Ltd @JelteHarnmeijer

Jelte grew up in sub-Saharan Africa, and lived and worked in Australia, Greenland, the Himalayas and Scotland before moving to a small island in the Pacific Northwest. I am a systems thinker and practitioner with a passion for integrating research with implementation. In this spirit, my work focuses on how community renewables can help address pressing challenges such as food and fuel poverty, inequality, and global climate destabilisation.

Jo Rose, University of York @joroseHA

Jo has worked intensively in complex political emergencies including Liberia, Somalia, South Sudan and Sudan. Throughout her career Jo has worked within academia, policy and practice in disasters, conflicts, and uneven development. Her ongoing work on community involvement in the delivery of humanitarian aid seeks to shape future practice and policy on humanitarian interventions in disasters and conflicts.

Jon Silverman, University of Bedfordshire @SilvermanJon

Jon is Professor of Media and Criminal Justice. His area of special interest is international criminal tribunals, human rights and media. He is an authority on crime & justice issues in the UK and was the BBC Home/Legal Affairs Correspondent for 13 years.

Karunesh Gupta, Birla Institute of Technology & Science

Karunesh joined BITS-Pilani, Pilani campus in July 1999. Before joining BITS, he worked in industry While serving in the department of Instrumentation & EEE Engineering, he completed his doctoral research in area of Digital Image Processing. So far he has published
many research papers in National & International Conferences and Journals. His areas of interests are Digital Image processing, Vibration and Acoustic signal processing, drinking water quality sensors, Biometrics.

**Konstantina (Nantina) Tsekeri, Glasgow University**

Nantina is the Head of the I-NGO 'Defence for Children International-Greece'. She is a PhD Candidate at Glasgow University School of Law. Her research field is International Children's Rights, Human Rights and Refugee Law. Nantina is a certified Attorney at Law and in the past she worked for UNHCR and Amnesty International.

**Leanne Townsend, University of Aberdeen @digirural**

Leanne is a senior researcher at the University of Aberdeen and an independent research consultant. She has expertise in social and economic impacts of technologies in rural and international development settings and for Gypsies, Travellers and Roma. She currently leads social impact research on solar minigrid technologies in rural Kenya.

**Majd Jayyousi, University of Manchester @majdj**

Majd Jayyousi is a PhD researcher at the University of Manchester focusing on micro-energy storage, energy access and human development. Majd has previously worked with UAE Ministry of Foreign Affairs as an energy analyst, and as a consultant on livelihoods and poverty assessments for Syrian refugees and host communities in Jordan. She has organised educational workshops on renewable energy and climate change across Africa and Asia.

**Marie Adeyemi, Dreamnetworks/University College London @DNloveplays**

Marie is a senior chartered engineer and product manager with over 9 years of product development experience within advanced technology industries. She has worked with numerous primary and secondary schools to deliver interactive and technology based workshops such as the bloodhound project, water for the world and BBC2 (UK) programmes. Marie has lead the development and building of play areas with local and international volunteers in Tanzania, Kenya and the UK.
Martin Oteng-Abatio, University of Ghana @moababio

Martin Oteng-Abasio is associate professor in Department of Geography and Resource Development and coordinator, Disaster Risk Reduction Programme, University of Ghana. In 2015, he won 2013/2014 Best Researcher Award, University of Ghana, having won 2nd Prize for Outstanding Research on Development (GDN) in 2011 and Best Paper Award – SASDIR Conference – 2012.

Maryam Rumaney

Maryam Bibi Rumaney holds a BSc in Human Life Sciences and a BSc(HONS) in Human Genetics, both from Stellenbosch University. In addition, she holds a MSc in Human Genetics from the University of Cape Town. After her studies she worked for Medecins Sans Frontieres as the HIV/TB laboratory specialist. Thereafter, she went on to work for Stellenbosch University. Currently she works as a freelance scientist offering scientific editing services to the academic and NGO sectors. Her research interest lies in Health System Strengthening specifically for laboratories in developing countries.

Matt Kandel, SOAS

Matt is a British Academy Newton International Fellow in Development Studies. His research interests lie in land tenure, agrarian political economy, state formation, and political and communal conflict in Africa, with an area concentration of Africa. He has carried out fieldwork in northeastern Uganda since 2012. His current research is on state territorial conflict/restructuring in Uganda, and how this is altering agrarian and pastoral political economies. He is interested in conducting more research on tenure insecurity in peri-urban Uganda and elsewhere in Africa.

Nathaniel Powell, Kings College London @natkpowell

Nathaniel Powell is currently a Teaching Associate at King's College London's Department of War Studies. His research focuses on the history of French military interventions in Africa, and is currently completing a book on French interventions in Chad. He has also worked with the Norwegian Refugee Council in the Democratic Republic of Congo.
Nerea Amoros Elorduy, University College London
@nerea_amoros

Nerea Amorós Elorduy (M.Arch ETSA Barcelona and ESARQ) has taught at the Faculty of Architecture and Environmental Design at UR, co-founded ASA Studio and consulted for UNICEF and UNHCR in Rwanda. Her PhD research questions the role of the built environment of Eastern Africa’s long-term refugee camps on young children’s development.

Nebil Achour Anglia Ruskin University

Nebil has expertise in the resilience of healthcare to major hazards, about which he published over 50 scientific articles and reports, and was a member of the global WHO Hospital Safety Index revision panel. His interests are in Public health, Global healthcare, Health and social care, Health and wellbeing and Leadership and management.

Nishara Fernando, University of Colombo

Nishara Fernando works at Department of Sociology, University of Colombo as a Senior Lecturer. He is the Director of Social Policy Analysis and Research Center (SPARC), which is the main Research Center of the Faculty of Arts University of Colombo where it conducts interdisciplinary research and offers various certificate courses.

Priti Parikh, University College London @pritiparikh73

Priti has expertise in infrastructure and business models for resource constrained settings such as slums and rural communities in Africa and Asia, as well as in infrastructure planning for cities to cover the areas of financial planning, institutional frameworks and societal impact. She has substantial in-country experience in South Asia, Africa and UK working with local governments and slum communities and has led multi sectoral projects at both city and community scale.

Rabia Nursat, International Alert

Rabia Nusrat is Alert’s Regional Projects Manager for South Asia, currently overseeing and developing Alert’s work in Afghanistan and Pakistan. She has been working with Alert for the past six years, where a main focus of her work has been on engaging with the business sector on peacebuilding issues and addressing economic aspects of conflict and peace. This included engagement with extractive sector in Afghanistan, research on conflict-sensitive employment programmes in Pakistan and the role of diaspora
businesses and social enterprises to support reconciliation efforts in Sri Lanka.

Richard Jalkebro, University of St. Andrews @RikardJalkebro

Rikard has a PhD in International Relations from the University of St Andrews, which focused on peace and conflict studies and terrorism studies in the Philippines. His principal research interests expose the juncture between the dynamics of peace processes and terrorism, with a particular focus on organised crime and corruption.

Ruba Jayyousi, GIZ

Ruba is a development professional with MSc in development. As a technical advisory for GIZ, economic advisory is her key role. In her position for Islamic Relief, she managed a portfolio of programmes for the Syria crisis response. As a project Manager with UNRWA, she managed a youth employment programme.

Sneha Krishnan, London School of Hygiene and Tropical Medicine @snek87

Sneha Krishnan has a PhD in Environmental Engineering from University College London, where she studied early recovery programmes in India, implemented under the ECHO-funded programme to understand community resilience and longer-term recovery. She has a prior humanitarian background and currently learning skills on running a randomised controlled trial on nutrition with LSHTM in Odisha.

Stephen Tashobya, Wekebere Ltd @TASHOBYASTEPHEN

Stephen's lies in applying the design thinking process across domains, understanding ground realities through field research, coming up with localized solutions that are scalable in nature and getting a product/service to the market. Over 6 years I have worked across healthcare, education, leadership development, livelihoods, enterprise solutions and business development. Regularly invited to conduct workshops on design thinking.
Stephen Sevalie, Sustainable health Sierra Leone

Stephen is a psychiatrist with a background in public health and development management. He is the Executive Director and Founder of Sustainable Health Sierra Leone and a Lecturer in the College of Medicine and Allied Health Sciences. His broad background is focussed on supporting health initiatives in disadvantaged populations. As one of only two psychiatrists in Sierra Leone, his vision is to see equitable health systems that fully integrate mental health. He is currently working on reducing the treatment gap for mental illness in Sierra Leone through use of telemedicine.

Stuart Taberner, Research Councils UK @staberner1

Professor Stuart Taberner joined the Research Councils in January 2017, as the director of international and interdisciplinary research on an 18-month secondment from the University of Leeds. Stuart works within the Executive Directorate which provides support to the Research Councils in overlapping and collective areas of interest and is responsible for strategic focus, operational support and guidance for GCRF ODA reporting, the development of a strategic International narrative for Research Councils and the development of the GCRF to operation at programme/portfolio as well as project level.

Sumit Pramanik, CSIR-CSMCRI, India @sumit_pramanik

Sumit Kumar Prmanik obtained his PhD degree in Chemical Biology in 2013 at CSIR-IICB, in which he studied the nanocarriers based drug delivery. In 2014–2016, he did postdoctoral work at Hasselt University (Belgium), examining microbubble for multi-modal imaging. He is currently an Independent Researcher in CSIR-CSMCRI, designing stimuli responsive nanocarriers drug delivery and bio-imaging. His expertise includes. He authored about 20 peer reviewed papers and filed 5 patent.

Tamara Kamanga, Naresuan University @tamarafkamanga

Tamara is an upcoming researcher in Disaster Management and advocates for Sendai Framework and SDGs. A faculty member at Malawi University of Science and Technology, currently pursuing Master’s degree in Disaster Management at Naresuan University. Interested in research in Disaster and water resources management, Rainwater harvesting, Geology and Climate Change.
Tsion Abebe, Institute for Security Studies @TTsion

Tsion Tadesse Abebe is a Senior Researcher in the Institute for Security Studies’ Migration Programme. Tsion worked as Deputy Director of the Africa Programme, UN-mandated University for Peace (UPEACE) and also lectured at the Institute for Peace and Security Studies (IPSS). She has a Master’s degree in gender and peacebuilding from UPEACE, Costa Rica and a certificate in international labour migration, economics, politics and ethics from the University of Oxford, UK.

Udan Fernando, Centre for Poverty Analysis

Udan obtained his PhD in International Development Cooperation from the University of Amsterdam. Udan has held leadership positions in development agencies in Sri Lanka and worked in Europe, Africa, and Asia. Udan is currently Executive Director of the Centre for Poverty Analysis (CEPA), a Sri Lankan Think Tank.

Veronica Mwikali Kiluva, Masinde Muliro University of Science and Technology

Veronica is a female senior lecturer in the department of disaster preparedness and engineering management in the school of disaster management and humanitarian assistance. She is engaged in both local and international research that focuses on aspects of water resources management, disaster management, climate change and environmental management among others.

Vijayata Sengar, Maharaja Sayajirao University of Baroda, Vadodara- India

Dr. Vijayata Sengar is Ph.D. in Foods and Nutrition. Her research interests are in public health nutrition especially maternal, child/adolescent health and nutrition. Dr. Sengar is currently working as Assistant Professor(T). She was awarded Young scientist (Senior) award (Community Nutrition) in 2013 by NSI, National Institute of Nutrition.

William Horsu, Institute for Sustainable Energy and Environmental Solutions @williamhorsu

Solutions William has seven years experience in the energy, financing and agricultural sector, with strong dedication to his work. William has been involved in a number of bioenergy initiatives in Ghana, including working as a National Coordinator for Ghana Alliance for Clean Cookstoves and Fuels and attended COP 21 and 23.
RAEng Staff

Samantha Frost, Senior Manager International Strategy & Partnerships

Ivana Mackintosh, Head of Events & Marketing

Russell Lamb, GCRF Programme Officer
@russlamb1

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Alice Holt, Grants Manager
@acmedsci

Kelly Howard, Grants Officer
@acmedsci
SESSION 1: DRIVERS OF MASS DISPLACEMENT
12 FEBRUARY, 11.30AM

Session Chair

Danielle Botti, Regional Mixed Migration Secretariat, Danish Refugee Council, Kenya @Mixed_Migration
Danielle Botti is the Coordinator for the Regional Mixed Migration Secretariat (RMMS) for East Africa and Yemen based in Nairobi. She has over a decade of experience working in emergency and post-conflict contexts, working on humanitarian response with migrant populations including delivering assistance and building protection mechanisms for vulnerable groups.

Speakers and Talks

1. Natural disasters: displacement, relocation and return

Nishara Fernando, University of Colombo

Nishara Fernando works at Department of Sociology, University of Colombo as a Senior Lecturer. He is the Director of Social Policy Analysis and Research Center (SPARC), which is the main Research Center of the Faculty of Arts University of Colombo where it conducts interdisciplinary research and offers various certificate courses.

Abstract: There were 24.2 million internal displacements reported in 2016 due to sudden onset natural hazards. This is a global problem. Most displaced due to disasters, remain in their home countries and tend to be short term. However, when housing, livelihoods and other critical infrastructure completely or partially destroyed then people need more time to rebuild their lives. Some governments take such opportunities to introduce new interventions such as implementation of regulations to forcibly relocate displaced people into hazard free ‘planned’ settlements and upgrade their lives. It is against the above background, this presentation makes an attempt to discuss intricate issues related to disaster induced relocation based on 2004 Indian Ocean tsunami in Sri Lanka as a case study and its aftermath of 13 years.

This presentation stresses the importance of relocating disaster affected people into planned settlements closer to their previous place of residence along with common and individual infrastructure facilities adhering to policy guidelines. This is why the presentation stressed the importance of community centric relocation policy guidelines to; successfully relocate displaced people, ensure their safety from another tsunami (or other coastal hazards) and reduce the risk of poverty or chronic poverty. These community centric policy guidelines need to be formulated with the aim of minimizing relocation failures by considering the three stages of relocation (prior, immediately after and two years after).
2. The continually transforming status of refugees and internally displaced people and their return to conflict-affected areas

Irina Kuznetsova, University of Birmingham @IrinaKuzn

Irina is a sociologist and social geographer. Her research expertise includes migration, religiosity, health, disabilities studies, social policy and accessible cities. She has led, and participated in, various applied and academic studies founded by regional bodies in Russia as well as the European Commission, Open Society Institute, MacArthur Foundation, Russian Foundation for Humanities and others.

Abstract: Many people who experience forced displacement find themselves having different statuses within a short period of time – IDPs, refugees, returnees. In my talk I will focus on the issues faced by those are unable to retain IDP, or a refugee status, and are forced to return to war-torn territories. They are forced to return as often a lack of suitable integration policies do not allow IDPs to integrate socially or economically in their host region. My case study is Ukraine. The armed conflict in eastern Ukraine led to the creation of ‘quasi states’, significant declines in living conditions and large-scale displacement. More than two million people had to flee, 1.7 million internally, which, according to the Internally Displaced Monitoring, is the 9th largest internally displaced group in the world. Many experienced a rapid and significant drop in income and face problems in accessing services such as health care and education. More than 1.3 million people became refugees, with over a million fleeing to Russia.

The research upon which talk is based was conducted in Ukraine and Russia, including interviews with displaced people, local and national authorities, NGOs and discourse analyses. It was found that elderly people were the most vulnerable as many of them were not able to afford to rent an accommodation, and also experienced a difficult procedure of verification of their IDP status in order to receive their pension. Also, pensions were suspended for over half a million people from non-government controlled territories including those who fled to government territories of Ukraine. Most of retired people who moved to Russia were not been able to receive their pension either. Plus, there were difficulties to reregister a disability status for healthcare access and benefits in both countries. Thus, a lot of people became dependant from children (if any) who also experienced difficulties in employment in many cases. As a result, a significant number of IDPs had to go back to war-torn territories or to live ‘between’ places. This makes the humanitarian situation even worse and compounded by the unlawful conditions in the self-proclaimed republics. The government’s plans for the re-integration of the temporary occupied territories do not include deep considerations of the current needs of those who live there and for the return of IDPs.

Question: what issues should be addressed first in regard to the re-integration of returnees to previously occupied territories within the context of peace building?

3. Can Ethiopia use the CRRF to give a durable solution to the problem of refugees?

Tsion Abebe, Institute for Security Studies @TTsion

Tsion Tadesse Abebe is a Senior Researcher in the Institute for Security Studies’ Migration Programme. Tsion worked as Deputy Director of the Africa Programme, UN-mandated University for Peace (UPEACE) and also lectured at the Institute for Peace and Security Studies (IPSS). She has a Master’s degree in gender and
peacebuilding from UPEACE, Costa Rica and a certificate in international labour migration, economics, politics and ethics from the University of Oxford, UK.

**Abstract:** Ethiopia is the second largest refugee-hosting country in Africa, sheltering about 900,000 refugees. 75% of them originated from South Sudan and Somalia. Refugees continue to arrive in significant numbers with almost 110,000 newly registered in the country in 2017. Drivers of this mass influx of people include war, drought, and political prosecution. Only since the eruption of the South Sudan conflict in December 2013, Ethiopia has established seven new refugee camps to accommodate 370,000 South Sudanese refugees in the country. Recently, Ethiopia’s refugee policy has also shown a major shift with the launch of the **Comprehensive Refugee Response Framework** (CRRF). The framework seeks to promote refugees’ self-reliance through an improved and sustainable response that combines wider support to host communities, furthering peaceful coexistence and inclusion of refugees into national development plans. Although the CRRF is still in its nascent stage, this paper discusses the overall impact of the CRRF in managing mass influx of refugees to the country.

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**SESSION 2: SHARED SPACES AND SERVICES**

12 FEBRUARY, 14.30PM

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**Session Chairs**

**Dr Jayati Das-Munshi, Kings College London/Kings College Hospital**

@JayDasMunshi

Jayati is a Clinician Scientist in the Department of Health Service & Population Research, at the Institute of Psychiatry, Psychology & Neuroscience (KCL). Her current programme of research is called 'E-CHASM' (Ethnicity and Cardiovascular Health inequAlities in Severe Mental illness). This examines cardiovascular health inequalities faced by people who live with severe mental illnesses (SMI) within ethnic minority groups. Her broader research interests relate to ethnic minority mental health inequalities. Work in this area has focused on the role of the social environment in ‘buffering’ against adverse experiences such as discrimination for the mental health of ethnic minority and migrant people.

**Dr Leopold Mbereyaho, University of Rwanda**

Leopold is a Structural and Civil Engineer from the University of Rwanda’s School of Engineering. He is a former Dean of the School of Engineering and is a founding member of Engineers Without Borders Rwanda where he sits on the Permanent Advisory Council. He has expertise in structural analysis, structural dynamics, solid mechanics and materials.
Speakers and Talks

1. Healthcare performance and resilience: redesigning the system
Nebil Achour, Anglia Ruskin University

Nebil has expertise in the resilience of healthcare to major hazards, about which he published over 50 scientific articles and reports, and was a member of the global WHO Hospital Safety Index revision panel. His interests are in Public health, Global healthcare, Health and social care, Health and wellbeing and Leadership and management.

Abstract: Much research has been conducted to improve the quality of healthcare. This led to a noticeable reduction of diseases and illnesses which in turn increased life expectancy. However, despite this major success, healthcare services face a set of challenges. These challenges include, but are not limited to, inadequate financing that is unable to keep with high expectations of end-users let alone the impact of global warming, natural and manmade hazards. It is therefore beneficial to understand some of these challenges and the way they affect healthcare performance. This presentation will open discussion between multi-disciplinary team of academics, practitioners and policy makers to develop a better understanding of this critical service, and to work toward developing a more innovative way to enhance efficiency, effectiveness and resilience.

2. Mental Health Services and Disaster Response in Low Resource Settings
Stephen Sevalie, Sustainable Health Sierra Leone

Stephen is a psychiatrist with a background in public health and development management. He is the Executive Director and Founder of Sustainable Health Sierra Leone and a Lecturer in the College of Medicine and Allied Health Sciences. His broad background is focussed on supporting health initiatives in disadvantaged populations. As one of only two psychiatrists in Sierra Leone, his vision is to see equitable health systems that fully integrate mental health. He is currently working on reducing the treatment gap for mental illness in Sierra Leone through use of telemedicine.

Abstract: The health system of Sierra Leone faces several challenges including epidemics and natural disasters. The unprecedented scale of the recent Ebola outbreak resulted in over 14,000 infections including about 4000 deaths. On Aug 14, 2017, Sierra Leone experienced a deadly mudslide and catastrophic flooding. Over 500 people were confirmed dead, with hundreds more reported missing. An estimated 5951 people were affected, many of whom were displaced and have restricted access to food, water, shelter, or safety. The Ebola Epidemic and recent flood are disasters that led to widespread disruption of families and the loss of entire communities. Task shifting played a crucial role in the provision of mental health services and surveillance in Sierra Leone.

Dr Gaspard Gapayari, University of Rwanda

Senior Lecturer, socio-anthropology specialized in Gender with Education and Educationalist Planner, my fields of interest both in research and lecturing are development based. Furthermore, I have a long academic and administrative experience at higher national positions. My hobbies are basically sport(basketball), readings newspaper and scientific works. I speak fluently English, French and Kiswahili as foreign languages and of course my mother tongue, Kinyarwanda.
Abstract: The presentation is motivated by the situation we faced as a refugee in Burundi from 1960. Having experienced the status of political refugee in Burundi from 1959 to 1994, we are in the good position of describing the conditions faced by anybody elsewhere in case of mass displacement. These life conditions are characterized by resource scarcity, weak social status, injustice and inequality in term of education and resource sharing. Indeed, since the 1960s, many nations in Africa have suffered civil wars and ethnic strife, thus generating a massive number of refugees of many different nationalities and ethnic groups. The number of refugees in Africa increased from 860,000 in 1968 to 6,775,000 by 1992 (refugee encyclopedia, Britannica, 2004). That figure does not include internally displaced persons, who do not cross international borders and so do not fit the official definition of refugee. This is the case of IDPs. The question raised by his situation stresses if during these years of general political independence in Africa, states really gain their autonomy or if colonization persists in another form?

The other dimension is to know how education, in such a case, can contribute to inclusive integration and prosperity. Indeed, while education systems cannot serve as the ultimate solution to inequalities, they should not augment them. Education systems should be designed to lay the foundations towards greater equity. In a rights-based agenda, there is value in measuring whether everyone achieves minimum thresholds of education attainment regardless of their endowments. From the refugee testimony, `many NGOs in refugee camps contribute very much to improvement of young generation education by building schools, paying salaries to teachers from nursery to secondary education, providing school materials like books, uniform, notebooks or pens …. This stabilized the said people and even those roaming elsewhere come back in the camp and join schools. Beyond this, girls who were discriminated from education started to go to school with their brothers. Once again, we have been assisted by UNHCR in getting scholarship to terminate my undergraduate studies, what leads to PhD we are enjoying today. Currently, there is a very big change in children education life standards even for girls and women who were at the beginning, suffering from social discrimination. Other people benefit from apprenticeship in many types of professions so that they became financially autonomous. Thus with international cooperation, refugees life conditions were ameliorated in such a way that increases social integration and inclusive prosperity. The presentation aims at generating a debate in how, in global society, states and civil society, even university can contribute to fight again violence and promote prosperity through collaborative actions and partnership.

4. Access to education and health services among refugees in Nairobi

Edmund Lang’at, Xavier Project @EddLangat

Edmund is a Programme Management/Humanitarian Affairs professional with over 8 years’ experience in programme management, monitoring and evaluation and research. He has extensive knowledge in the humanitarian sector, human rights, civic education and training and forced migration issues (refugees, asylum seekers, IDPs and stateless persons), political and humanitarian situations.

Abstract: In the past 20 years, Eastern Africa has witnessed massive displacement occasioned mainly by war and drought. Kenya hasn’t been spared Kenya plays hosts to over 514,867 refugees of which 64,629 reside in Nairobi. Not all these refugees fled to Nairobi from their countries of origin; some resided in the camps for a short period of time before moving to Nairobi. This increase in population has piled pressure on existing spaces and services. The majority of refugees in Nairobi reside in slum areas where access to education and health services are limited. A lot of scholarly information on refugees residing in urban has focused on livelihoods, documentation and rights. Few studies have attempted to address the gaps on inequality in accessing education and health, however huge gaps still exist. This presentation will examine the pressure that exists in accessing Education and Health services among refugees in Nairobi. The role agencies, government and refugees play and the contribution they have made in accessing health and education as well as managing the shared space between refugees and the host community
(Kenyans). In addition, this paper will look in particular at the strategies and models organisations such as Xavier Project and other organisations have introduced in reducing exclusivity while promoting equality in accessing quality health care and education.

SESSION 3: ENHANCING VALUE
13TH FEBRUARY, 09.20AM

Session Chairs

Professor Siri Hettige, University of Colombo @hettige_siri

Siri Hettige is Senior Professor of Sociology at the University of Colombo. He is former Head of Sociology, former Dean of the Faculty of Arts at the same University and former President of the Sri Lanka Sociological Association. His other positions include include Chairman, Social Science National Committee of the NSF, Sri Lanka, Adjunct Professor at RMIT University, Australia, and Adjunct Research Associate at Monash University, Australia. He has many publications to his credit on such diverse topics as social inequality, social protection, youth unrest, education and health policy, ethnic conflict and migration. These include a number of books, edited volumes and more than a hundred papers published in edited volumes and refereed journals. He has also served on a number of government commissions and committees as a member as well as an advisor over a period of 20 years. He has been a consultant to a number of international organizations such as the ILO, the World Bank and IOM.

Corinne Gray, MIT Sloan Fellow Innovation and Global Leadership @corinnelgray

Corinne Gray is an MIT Innovation Fellow exploring new models of funding emerging market entrepreneurs. She previously served as an Innovation Officer at UNHCR and now advises the Miller Center for Social Entrepreneurship on refugee issues. Corinne is currently raising a multi-million-dollar fund for ventures that help refugees and migrants.

Speakers and Talks

1. Conflict-sensitive employment: Doing things differently in FCAS settings

Rabia Nursat, International Alert

Rabia Nusrat is Alert’s Regional Projects Manager for South Asia, currently overseeing and developing Alert’s work in Afghanistan and Pakistan. She has been working with Alert for the past six years, where a main focus of her work has been on engaging with the business sector on peacebuilding issues and addressing economic aspects of conflict and peace. This included engagement with extractive sector in Afghanistan, research on conflict-sensitive employment programmes in Pakistan and the role of diaspora businesses and social enterprises to support reconciliation efforts in Sri Lanka.
Abstract: Economic success is clearly the main preoccupation of businesses, and economic development is often the major preoccupation of governments and their citizens. So, those promoting economic development are influential in defining how societies make progress. In countries affected by violent conflict, or where fragility increases the likelihood of violent conflict, the nature of economic development is particularly important and needs to not just focus on the number of jobs created but also on quality of jobs created. In such contexts, there is a need to generate employment in a way that is conflict-sensitive i.e. meaningful job opportunities that offer future prospects and avoid divisive effects with the potential to create further conflicts. In such contexts, investors (private and donors) and government need to do things differently so as to minimise the risks that can be associated with investment and maximize contribution to peace and stability.

The presentation will illustrate the above using Afghanistan as case based on empirical research undertaken. The presentation will focus on the challenges faced by Afghan government in building a productive and broad-based economy that creates jobs in the context of low/unskilled human capital, a large young population and the need to integrate returnees from Iran, Pakistan and Europe as well as internally displaced people and ex-fighters. It will raise questions about the role that private sector and donors can play to contribute to conflict-sensitive employment opportunities in the country.

2. Job Creation in complex contexts: Challenges from post-war Sri Lanka

Udan Fernando, Centre for poverty Analysis

Udan obtained his PhD in International Development Cooperation from the University of Amsterdam Udan has held leadership positions in development agencies in Sri Lanka and worked in Europe, Africa, and Asia. Udan is currently Executive Director of the Centre for Poverty Analysis (CEPA), a Sri Lankan Think Tank.

Abstract: The legacy of a welfare state’s responsibility as the provider of education and employment in the midst of a fast-changing liberal-economy poses enormous challenges in creating jobs in the state-sector in response to a substantial section of society to secure public sector jobs. The aspirations of the younger sector of the labour market have changed drastically. They are reluctant to engage in agriculture, construction sector and would prefer white-collar jobs and increasingly the opportunity to live/work abroad. The 30-year war context in the North and East had also created different economic systems of which diaspora remittances play a crucial role. The diaspora remittances have served as a disincentive for the youth in the North and East, particularly North, to seek employment. With the rising inequality in Sri Lanka, a particular privileged section of society access education abroad and subsequent employment and settling in countries abroad. About ten percent of the workforce is employed abroad, mainly in the Gulf countries, doing unskilled and semi-skilled work. These different segments of labour force pose particular challenges and complexities. They also represent a fractured and disjointed challenge to macro level human resource policy-making and mobilization of labour in the job market. In such a context, creating value calls for a creative policy formulation taking into account the specificities and particularities of the different segments of the labour market while having a sound overarching policy framework that minimizes sub-policy contradictions and inconsistencies. A conventional policy formulation alone will not be able to address the challenge; hence the need for awareness raising on the part of supply and demand actors in the labour market.
3. Large scale displacement of civilians during the three decades of civil war in Sri Lanka and the challenges of resettlement

Murugesu Ganeshamoorthy, University of Colombo

Murugesu is an Economist/Senior Lecturer at Department of Economics at the university of Colombo in Sri Lanka. His research interests include foreign direct investment and peace and conflict studies.

Abstract: Currently the resettlement is coordinated by a dedicated Ministry. Official statements of the government reveal that the majority of the displaced are resettled. However, only a few independent studies on this area particularly in the Eastern are available to date. More research on displacement and replacement needs to be done in order to understand the gravity of the problem and to verify the government's claim on resettlement.

4. Integration of refugees and migrants in Europe: The German labour market

Eva Degler, OECD Directorate for Employment, Labour and Social Affairs @EvaDegler

Eva Degler is working at the International Migration Division of the OECD in Paris as a policy analyst, currently focusing on the topics of diversity policies, labour market integration of refugees and vocational education. She holds a Liberal Arts degree (Amsterdam University College) and a MSc in Migration Studies (University of Oxford).

Abstract: The high inflow of humanitarian migrants has posed considerable challenges for Germany in the past years, and getting refugees into employment has been high on the policy agenda. Based on recent OECD research, the presentation will focus on some of the key challenges and policy responses that were implemented and highlight some promising approaches towards facilitating labour market integration of refugees in Germany.
Session Chair:

Anh Tran, Coventry University
Anh is a Senior Lecturer of Humanitarian Engineering at Coventry University and head of research for UNESCO UNITWIN Network in Humanitarian Engineering. Her research is on water and sanitation, renewable energy, agriculture, waste management, humanitarian 3D printing and drones, social entrepreneurship and engineering education. She has successfully secured 6 projects over £1.5M from EPSRC, RAEng, Innovate UK.

Panel:

Anna Okello, Practical Action Consulting @OkelloAnna
Anna Noëlle Okello has a MSc. in International Development and is currently working with Practical Action Consulting as their Energy Project Manager. The projects she manages are all on Humanitarian Energy, which leads to her spending significant time in refugee camps and settings of displacement. Anna is based in Nairobi

Jelte Harnmeijer, Scene Connect Ltd @JelteHarnmeijer
Jelte grew up in sub-Saharan Africa, and lived and worked in Australia, Greenland, the Himalayas and Scotland before moving to a small island in the Pacific Northwest. I am a systems thinker and practitioner with a passion for integrating research with implementation. In this spirit, my work focuses on how community renewables can help address pressing challenges such as food and fuel poverty, inequality, and global climate destabilisation.

Denyse Umubyeyi, Practical Action Consulting
Denye works for Practical action Consulting in their newly established Rwanda Office Denyse is heading the newly established 'Practical Action Rwanda' division and she is also the rwandan in-country project manager for Renewable Energy for Refugees (RE4R), a multimillion dollar programme on Humanitarian Energy in Rwanda and Jordan.
Abstract: Global Plan of Action for Sustainable Clean Energy Solutions in Situations of Displacement – Case studies of 3 Rwandan Refugee Camps

Today there are 65.5 million people displaced by conflict, with thousands more affected by natural disasters. 90% of refugees and internally displaced people living in camp settings live without electricity access and 80% rely on firewood and charcoal for cooking. In an emergency humanitarian crisis, the priority areas of food, water and sanitation, health, shelter and protection all require energy access. Current energy practices are often inefficient, polluting, unsafe for the users, and harmful to the surrounding environment (e.g. diesel generators). Even though clean energy technologies exist, funding shortage and inadequate policies and practices make it difficult for the humanitarian community and refugees themselves to access sustainable and clean energy.

For the world to realise the Sustainable Development Goal 7 of energy for all, “every person affected by conflict or natural disaster should have access to affordable, reliable, sustainable and modern energy services by 2030”. We (UN agencies, donors, academics and civil society groups) are developing a Global Action Plan for Sustainable Clean Energy Solutions in Situations of Displacement to call on governments and international and national leaders to contribute to the humanitarian sector clean energy goals. Some questions we are asking around four key themes include:

1. **Policy, Advocacy and Host Country Resilience** - How can we involve displaced people and host communities in policies and advocacy to reflect their priorities and needs for long-term sustainable energy access?
2. **Innovative Finance** - How can we bolster finance for sustainable infrastructure investments (e.g. renewable energy systems, mobile solar lighting, improved cook stoves) to include delivering innovative financing methods?
3. **Technical Expertise, Capacity Building and Training** - How can we utilise the skills and capacities of displaced people and local communities to ensure they have an active role for future energy interventions which includes creating jobs where possible?
4. **Data, Evidence, Monitoring and Reporting** - How can we harmonise and standardise high-quality, usable data and evidence across the humanitarian sector for monitoring, learning and evaluation?

**Cross-cutting themes:**

- Age, gender and diversity
- Protection, gender-based violence and vulnerability
- Environmental sustainability
- Health
Expected Standards of Behaviour: Guidance for Participants at International Programme Events

Many Royal Academy of Engineering events deliberately foster an informal, collaborative atmosphere. To achieve a successful, professional event without any awardee, staff member or involved party feeling uncomfortable, threatened, demeaned or excluded, we will not tolerate behaviours that do not treat all persons fairly and with respect.

For the avoidance of doubt, the following behaviours will not be tolerated:

- The use, possession or attempt to purchase drugs that are illegal.
- Illegally downloading or viewing objectionable internet material.
- Statements about the attractiveness or otherwise of others.
- Statements that draw attention to disability, skin colour, sexual orientation, gender, ethnicity, nationality, age, religion or other characteristics in a way that could cause offence or exclusion.
- Aggressive or threatening behaviour.
- Uninvited physical contact.

This list is not exhaustive, and other behaviours may also lead to action if judged inappropriate or unprofessional. The Engineering Council’s Guidance for Institution Codes of Conduct provides a framework for assessing unprofessional behaviour:


In the first instance, if participants are concerned about unprofessional behaviour, they should report it to a member of Royal Academy of Engineering staff who will act quickly to ensure an appropriate response. Please be assured that these reports are encouraged and will be treated confidentially.

The Academy reserves the right to exclude people from further participation in its activities for serious and/or repeated unprofessional behaviour.

October 2017
Thank you for attending #FrontiersDev 2018! The Academy is excited to bring together future leaders and outstanding minds from industry and academia from a range of disciplinary backgrounds for this inaugural event. We hope to create a space for deep, cross-disciplinary collaboration – both on and offline.

We encourage all attendees to share thoughts and highlights from this event on social media.

This toolkit is a roadmap of helpful information, resources and examples that you can use to connect with other attendees, get real-time news and share your experience of the event.

Join the conversation

- We will be live-tweeting the event from @RAEngGlobal – The Royal Academy of Engineering Twitter account for our international activities.

- Use the hashtag #FrontiersDev to join the conversation, share your experiences and perspectives, and see what others at the conference are saying.

- Other important Twitter accounts:
  - @britac_news – the British Academy (event partner)
  - @royalsociety – the Royal Society (event partner)
  - @acmedsci – the Academy of Medical Sciences (event partner)
  - @DilanthiA – Professor Dilanthi Amaratunga, Head of the Global Disaster Resilience Centre the University of Huddersfield (event chair)
  - @moorehl – Professor Henrietta L. Moore, Director of the Institute for Global Prosperity at UCL (event chair)

- Facebook and LinkedIn and your institution or company websites are also great platforms to share your experiences from the Frontiers of Development symposium. Remember to tag the Royal Academy of Engineering on Facebook (facebook.com/RAEngineering) and on LinkedIn (linkedin.com/company/the-royal-academy-of-engineering/).

- Please also join our Engineering a Better World Groupon LinkedIn here (linkedin.com/groups/8555004), to enable you to keep in touch with Alumni of other Academy programmes and see posts about upcoming opportunities.
How you can use social media

We encourage you to post on social media to:

- Share interesting and helpful take-aways from sessions;
- Share links to online resources that other attendees might find useful;
- Post photos from the sessions, networking events and social activities of you and the other participants;
- Share news stories about the symposia or other relevant topics.

Top tips for social media engagement

1. **Use images!** Posts with images receive more responses from users, and are seen by more people;

2. **Tap into relevant hashtags:** as well as using #FrontiersDev also use subject specific hashtags such as #development, #sustainabledevelopment, #sdgs, #massdisplacement, #wellbeing to reach more people;

3. **Adhere to your institution’s social media policy:** If your institution is active on social media, it is likely to have a social media policy. If your tweets represent your work and/or institution we advise that you familiarise yourself with, and follow, the social media policy;

4. **Tag people** – if you are sharing a post about a speaker or participant at the event, don’t forget to tag them! If they are not on social media, you may like to tag their institution instead;

5. **Converse** – social media isn’t just about broadcasting, it’s also a great way to engage in a dialogue and build new relationships. Reply to posts and share other people’s content to continue the discussion;

6. **Link elsewhere where relevant** – social media posts are, by their nature, quite brief. If you want to reference further work, provide a link to where people can find more information. You might want to have a few links ready ahead of time.

Example content

- Excited to be in #Kigali for the @RAEngGlobal #FrontiersDev symposium, which is bringing together cross-disciplinary leaders in academia and industry to solve global development issues

- How can we better understand and manage #massdisplacement? Interesting discussions taking place at @RAEngGlobal #FrontiersDev symposium!

- Mass displacement is a global issue that requires cross-disciplinary cooperation to address its root causes. We’ll be exploring collaborative approaches with @RAEngGlobal, @acmedsci, @royalsociety and @britacnews at #FrontiersDev

Useful links

Please visit www.raeng.org.uk/fod for more information about the symposium.

Share pictures, videos, documents and your thoughts about the sessions via the event’s Padlet page: https://padlet.com/frontiersraeng/FoDKigali