7th International Conference on Information and Communication Technologies and Development 2015 ICTD2015
Singapore, 15-18 May 2015

Post Conference Report
# Table of Contents

QUICK FACTS............................................................................................................................................... 3
ORGANIZING COMMITTEE......................................................................................................................... 4
INTRODUCTION.................................................................................................................................................. 5
ACADEMIC PROGRAMME .............................................................................................................................. 6
  Full Papers.................................................................................................................................................... 6
  Notes............................................................................................................................................................ 7
  Demos ........................................................................................................................................................ 8
  Open Sessions............................................................................................................................................. 8
THE PARTICIPANTS.......................................................................................................................................... 10
  Scholarships ................................................................................................................................................ 14
SOCIAL, CULTURAL AND SPECIAL ACTIVITIES .......................................................................................... 15
  Triple book launch and cocktail reception................................................................................................ 15
WEBSITE AND SOCIAL MEDIA .................................................................................................................... 20
Appendix I – Full Papers ................................................................................................................................ 22
APPENDIX II – NOTES .................................................................................................................................. 24
APPENDIX III - DEMOS ................................................................................................................................ 28
APPENDIX IV - OPEN SESSIONS ................................................................................................................ 31
APPENDIX V- PARTICIPANT’S STATISTICS ................................................................................................ 33
Appendix VI - REGISTRATION FEES........................................................................................................... 34
## QUICK FACTS

<table>
<thead>
<tr>
<th>The Conference</th>
<th>Dates</th>
<th>May 15–18 2015</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Location</td>
<td>Nanyang Technological University, Singapore</td>
</tr>
<tr>
<td>Participants</td>
<td>Participants</td>
<td>243</td>
</tr>
<tr>
<td></td>
<td>Countries</td>
<td>47 from 6 continents</td>
</tr>
<tr>
<td></td>
<td>Scholarships</td>
<td>38 (16%)</td>
</tr>
<tr>
<td>Program</td>
<td>Full papers</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>Posters</td>
<td>49</td>
</tr>
<tr>
<td></td>
<td>Demos</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>Open Sessions</td>
<td>31</td>
</tr>
<tr>
<td>Supporters</td>
<td>Sponsors</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Partners</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Affiliates</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Exhibitors</td>
<td>4</td>
</tr>
</tbody>
</table>

![Supporters Logos]
ORGANIZING COMMITTEE

GENERAL CONFERENCE CHAIR
Arul Chib | Nanyang Technological University

PROGRAM COMMITTEE CHAIRS
Jenna Burrell | University of California, Berkeley
Matthew Kam | Google

NOTES CHAIRS
Sirajul Islam | Orebro University
Mahfuz Ashraf | University of Dhaka

OPEN SESSIONS CHAIRS
Indrani Medhi Thies | Microsoft Research India
Brian DeRenzi | University of Cape Town

DEMO CHAIRS
Natalie Pang | Nanyang Technological University
Jay Chen | New York University, Abu Dhabi

TRAVEL GRANT CHAIRS
Komathi Ale | University of Southern California
Elisa Oreglia | Nanyang Technological University

CHIEF OF STAFF
Yvonne Lim | Nanyang Technological University

ADMINISTRATION MANAGER
Sandy Pek | Nanyang Technological University

COMMUNICATIONS MANAGER
Sue Helen Nieto | Nanyang Technological University

SOCIAL MEDIA MANAGER
Caitlin Bentley | Nanyang Technological University

Special thanks to:

NTU GRADUATE STUDENTS
Yvonne Loh, Sesagiri Raamkumar Aravind, Panchapakesan Chitra, Sherly Haristya, Tan Jiat Chow, Pei Xin, Shin Min Cheol, Simha Anoop Prasanna, Chaturvedi Ankur, Wang Zhen, Sonal Chinchwadkar, Cao Yuanyuan, Fernandes Megan Anne & Li Jun Ting

Benjamin

AND

Jyoti Choudrie, for her support as acting chair of demos during the conference

William Thies and Nicola Dell, for their support as acting chairs of open sessions during the conference

Krish Raghav, for his support in organizing this conference

ICTD 2015 Secretariat, Singapore Internet Research Centre
INTRODUCTION

As we wind down the timeline on the Millennium Development Goals, the ICTD conference continues to be a place to showcase and examine investigations, to deliberate and to challenge ideas and evidence, in an unceasing attempt to achieve the often elusive hope that ICTs can be enlisted in the service of human well-being.

The Seventh International Conference on Information and Communication Technologies and Development 2015 (ICTD2015) maintained the commitment to a multidisciplinary, research-focused conference. Over four days, from May 15 to May 18, 2015 hosted by the Singapore Internet Research Centre, Nanyang Technological University, the conference programme included 22 papers, 49 Notes, 31 Open Sessions and 24 Demonstrations from scholars, and practitioners.

The academic programme opened with a keynote address by Mr. Som Mittal, former chairman and president of NASSCOM, the premier trade body for the IT-BPM industry in India. He delivered a thought provoking address highlighting the challenges and opportunities of using ICT’s in development within the Indian context and how this could provide lessons for other developing nations.

ICTD2015 was a highly international and diverse event; with 243 participants from 47 nationalities across six continents. We continue to support the growing global nature of our community by offering 38 travel scholarships to emerging scholars to not merely attend and interact, but also to increase the representation of ICTD research from developing countries. This allowed us to increase participation from the Asia Pacific region and contribute to greater interaction and collaboration.

To provide varied spaces for interaction, in addition to the academic program, ICTD2015 hosted a series of social, cultural and special events aimed at fostering an intellectually and socially stimulating environment. Taking advantage of the cultural diversity in Singapore; attendees engaged with Southeast Asia’s rich history through Malay, Indian and Chinese performances. Finally, on an effort to include different forms of expression, as part of the open sessions, ICTD2015 hosted a photo exhibition and a film screening touching on international migrant experiences which led to a discussion about development challenges in first-world nations and the role of ICT’s.

The ICTD community lost some wonderful friends since the last conference. Gary Marsden, Mark Levy and Gaetano Borriello will be deeply missed by students and colleagues. This conference paid a tribute to these revered members of our community who worked tirelessly to make ICTD research impactful.
ACADEMIC PROGRAMME

Full Papers

We received 125 submissions of which, 45% were from countries across Asia. ICTD2015 accepted 22 papers to be presented; this entailed an acceptance rate of 18%. The review process was double blinded involving two stages, the first stage involved 3 reviewers and the second stage involved a meta-reviewer. The authors were allowed a rebuttal to reviewer comments before final decisions were made. This ensured a fair blinded process that led to the selection of the best scholarly work on ICTD. Conference papers have been published in the prestigious ACM Proceedings.

The papers were presented in six sessions on a single track throughout day 2 (May 16) and day 3 (May 17) of the conference. A single track fostered engagement of the ICTD community and provided the stage for multidisciplinary discussions. The papers were grouped by thematic sessions and included:

- Education
- Disability, accessibility and infrastructure
- Agriculture and small businesses
- Mobile banking and mobile phones
- Health
- E-government and politics
Notes

ICTD2015 had a high number of Notes submissions (83), from over 45 countries in 5 continents. The selection process was double blinded peer review and 51 notes were accepted. Unfortunately, two authors were unable to join the conference and 49 posters were included in the proceedings and presented at the venue.

The notes covered a wide range of subjects such as education, women empowerment, governance, health, social media, agriculture, and knowledge sharing, to name a few. We hosted a Notes Madness session, where every presenter had 30 seconds to pitch their note to the plenary, this way the audience had an idea of the diversity of the notes and were able to identify and approach the ones of most interest to them. In addition to the Notes Madness, posters were put for display throughout the conference, while the authors were at their booths during two sessions (A lunch and a tea break). The Notes Madness and the sessions were highly appreciated by the participants as they provided a space for interaction, exchange and discussion on a more personal and direct way, opening the door for potential future collaborations.
Demos

We received 41 demos submissions and 24 demos were presented. For the first time at an ICTD conference, during the plenary, a Demos Madness session was included where presenters had 30 seconds to pitch their demo, followed by two demo sessions (a lunch and a tea break) where demo presenters went live at their booths.

Open Sessions

Open sessions continued to be one of the most appreciated sessions on the conference where debate, collaborations and further understanding of ICTD issues takes place. We received 40 proposals spanning a number of interests, fields and domains, 31 of these proposals were presented. The open session encompassed a special memorial session for Gary Marsden, 2 round tables, 11 workshops, 12 panels, 3 guided discussions and 2 special events.
In an effort to include different expressions of work related to ICTD, the conference hosted special events during the open sessions, photo exhibition of an interactive photography project on migrants at the Mexico – US border and a film screening about the migrant experiences, both proceeding to a discussion on migration issues and the connection to ICT’s. We hope future conferences continue to provide a space for different types of expression.

**Reflections**

The quality of the research and the multidisciplinary approach continue to be the main strengths of the conference. Results from the evaluation survey show that over 80% of respondents were satisfied or very satisfied with their overall experience, with the conference chairs, the open sessions and building of their understanding of the field. Moreover, almost half of the respondents that left comments (9 out of 22) spoke about the interactivity, the openness of the community and the enriching environment at the conference. Like past conferences, ICTD2015 was successful in being a platform for knowledge sharing and collaboration within the field while showcasing the strongest ICTD research across the globe.

Presenting the Demos and Notes madness during the plenary track was highly valued by the attendees, as it provided an opportunity to engage directly with these projects, while the sessions gave the space for shared discussion. However, the space for discussion and interaction with the demos and notes was seen as insufficient, perhaps it will be worth exploring additional spaces for more informal discussions.

The impact of the research presented and the role of practitioners is an important question that remains to be answered. Practitioners highlighted the gap between the research and how it could be useful for practice. Furthermore, the survey analysis showed that open sessions were clearly a longstanding favourite of the conference as these are the spaces where much of the interaction takes place. However, the allocation of the open sessions during the first and last days makes them seem as a less relevant side program.

For future conferences, the ICTD community needs to better understand the role of practitioners and how the research community wants to relate to them. A common critique was that ICTD conferences have not been very successful in decreasing the gap between research and practice. This can be improved by fostering their participation in the conference as a whole, either through open sessions or demos. Additionally, placing the open sessions as part of the main program and not only as a side program; also by encouraging collaborations between
practitioners and researchers in planning open sessions. Whether doing so would dilute the research focus of the conference is an issue that should simultaneously be deliberated by future organizers.

Careful consideration should be given to the ethical and political components of ICTD research. The perception of some participants was that there is a large share of extractive research treating developing countries as their “study subjects” which has several implications in terms of the inequalities in knowledge generation between developed and developing countries. Although this approach is not the norm within the ICTD community, the possible exploitative issue should be acknowledged and open the discussion to other approaches. On one hand, there seemed to be limited recognition of co-researchers and collaborators from the global south; on the other hand, there was limited participation from organizations and researchers from the global south. To tackle the first point, it seems necessary to reflect on the ethical implications of ICTD research; the second point might be an issue of lack of funding from institutions in the global south.

Finally, exploring different ways of arranging the program could make the conference more dynamic. This conference took the decision to continue with a single track so that all attendees had an opportunity to mingle; multiple tracks might deepen existing silos between groups with varied agendas. As one survey respondent put it, “Expecting 200+ attendees to sit through 20 deep-dive papers over two days is a less than optimal experience for academics and a terrible one for practitioners.” Considering a mix of single and separate tracks could continue to reinforce the multidisciplinary exchanges among the community, while allowing more in depth discussions on specific topics.

THE PARTICIPANTS AND ORGANIZATIONS

Similarly to past conferences, ICTD2015 was a highly international and diverse event, with delegates from over 47 countries across six continents. Figure 1 shows the distribution of participants by region, 52% of delegates came from Asia, followed by 20% from North America, 14% from Africa, 9% from Europe, 4% from Central and South America, and minimum representation with only one participant from the Middle East and Oceania respectively.
Figure 2 shows the distribution of participant’s organizations by region. When we look at the organizations instead of the nationalities of the participants, there is a slight change in the composition. European representation grows from 9% to 10% while North America’s share grows from 20% to 24%, there is also a small increase from the Middle East from 0.4% to 1%. The decreases come from Asia and Central and South America. This points to a recurrent issue in ICTD conferences where there is high representation of North American and European institutions. This year due to the location, representation from Asian institutions was higher than past years (16% at ICTD2010), this has been a common trend in past conferences too, and participation from the host region grows significantly.
Figure 3 shows the comparison among conferences and the distribution of delegates by region. Following past trends, the region where the conference is being held has high representation; in this case, 52% of participants came from Asia. However, participation from the host country was smaller than past years, (Qatar 23%, London 20%) with only 13% of participants coming from Singapore, while the remaining 39% from Asia, came from 14 different countries, with representations from most parts of Asia, from Japan and China to Sri Lanka and Myanmar. We hope this will continue to foster participation of Asian delegates in future conferences.

African representation continued on a similar trend to London (16%) with 14% of participants coming from different parts of Africa. We are also delighted to report that, despite location, the representation of Central and South America was 4%, maintaining a similar trend with the London conference (5%). Possibly due to location, participation from Middle East countries decreased from 5% to 0.5%. This region has been underrepresented in the past two conferences.

As expected, due to location, participation from European delegates fell from 35% in 2009 to 9% in 2015. Additionally, there has been a consistent trend of decreasing participation from North America, from 33% in 2009, 24% in 2010 and 20% in 2015.
In addition to the diversity of nationalities represented, ICTD2015 also hosted participants from different sectors. As expected, the majority of delegates were from academic institutions; this year saw an increase in academic participation to 69%. Participation of the private sector and civil society remained similar to past conferences with 12% and 17% respectively; the increase on academic participation was accompanied with a decrease in government organizations. Figure 4 shows the distribution of participants by sector.
Scholarships

We were able to offer travel grants to 38 delegates, the application process was highly competitive, and we received over 100 applications that were assessed prioritizing the following criteria:

- Accepted full paper, note, demo or open session (speaker or organizer)
- National of a developing country and/or affiliation to an institution in a developing country
- Less than 45 years old
- Enrolled in a graduate program, or having no more than 7 years of post-PhD experience, or directly involved on an ICTD project for a NGO or government agency

The ICTD 2015 secretariat wanted to support emerging scholars, additionally, being the first time the conference was held in Asia, it represented an opportunity to foster the ICTD regional community; therefore, the selection process prioritized not only developing countries, but the Asia Pacific region.

As a result, 38 participants received travel grants. The scholarship included airfare, accommodation, meals and registration for 36 participants and accommodation, meals and registration for 2 participants. All 38 offers for travel grant were accepted with only one grantee cancelling his participation due to a last minute emergency. Scholarship participants accounted for 16% of total conference attendees. Figure 5 show the distribution of travel grants by region, 62% of scholarships went to applicants from Asia, followed by Africa (27%), North America (5%) and Central/South America and the Middle East with 3% each.

Figure 5 Distribution of travel grants by region
The scholarships allowed many emerging scholars from the region to participate, in many cases, for the first time in the ICTD conference. It provided a space to foster the interaction of developing countries ICTD scholars and practitioners. Our estimates show that approximately, 70% of the grantees would not have been able to attend otherwise. Additionally, all grantees were active participants, involved in at least one paper, note, demo, or open session.

**Reflections**

Although the composition of participants is highly influenced by location, overall, the diversity and participation from Asia and Africa has increased. This year, 29% of participants were from European or North American nationalities, while 35% of organizations represented are based in those regions. On the other hand, Asia and Africa accounted for almost 70% of participants’ nationalities while organizations based in these regions represented, roughly 50%. Nonetheless, the participation from Central and South America remains low (4%-5%).

There seems to be a perception of limited participation from the global south, however, this is not reflected by the numbers of participants and organizations represented. It is important to highlight the key role of location on the ability of developing country scholars and practitioners to attend. Another key element in ensuring participation from these regions lies on the number of scholarships available. This year, 92% of scholarships went to participants from Asia, Africa and Central and South America. If ICTD wants to ensure participation of these regions, it should continue to foster such scholarships.

**SOCIAL, CULTURAL AND SPECIAL ACTIVITIES**

To complement the conference program and expand the opportunities of interaction between participants, the conference hosted a wide array of activities. Each day of the conference was complemented with a social or cultural event to showcase the diversity of the Asian region.

**Triple book launch and cocktail reception**

**Impact of Information Society Research in the Global South**
Edited by Arul Chib, Julian May & Roxana Barrantes

The second volume in the SIRCA book series investigates the impact of information society initiatives by extending the boundaries of academic research into the realm of practice. Global in scope, it includes contributions and research projects from Asia, Africa and Latin America. The international scholarly community has taken a variety of approaches to question the impact of information society initiatives on populations in the Global South. This book addresses two aspects—Impact of research:
How is the research on ICTs in the Global South playing a role in creating an information society? (e.g. policy formulation, media coverage, implementation in practice) and Research on impact: What is the evidence for the impact of ICTs on society? (i.e. the objectives of socio-economic development). This volume brings together a multiplicity of voices and approaches from social scientific research to produce an engaging volume for a variety of stakeholders including academics, researchers, practitioners, policy-makers and those in the business and civil sectors of society.

Participatory Archives in a World of Ubiquitous Media
Edited by Natalie Pang, Kai Khium Liew & Branda Chan

The media environment of today is characterised by two critical factors: the development and adoption of ubiquitous mobile devices, and the strengthening of connectivity enabled by advances in ICT infrastructure and social media platforms. These developments have changed interactions and relationships between citizens and cultural custodians, as well as the ways archives are developed, kept, and used. Archives are now characterised by greater socialisations and networks that actively contribute to the signification of cultural heritage value. A range of new stakeholders, many of whom include the public, have sought to define what needs to be collectively remembered and forgotten. The world in which one or a few professional archivists worked on the sole mission of shaping how a society remembers is being displaced by a more democratised culture and the new generation of digitally networked archivists that are its natives. Using a range of case studies and perspectives, this book provides insights to the many ways that ubiquitous media have influenced archival practices and research, as well as the social and civic consequences of present-day archives. This book was published as a special issue of Archives and Manuscripts.

Geek Heresy: Rescuing Social Change from the Cult of Technology
Kentaro Toyama

In 2004, Kentaro Toyama, an award-winning computer scientist, moved to India to start a new research group for Microsoft. Its mission: to explore novel technological solutions to the world’s persistent social problems. Together with his team, he invented electronic devices for under-resourced urban schools and developed digital platforms for remote agrarian communities. But after a decade of designing technologies for humanitarian causes, Toyama concluded that no technology, however dazzling, could cause social change on its own. Technologists and policy-makers love to boast about modern innovation, and in their excitement, they exuberantly tout technology’s boon to society. But what have our gadgets actually accomplished? Over the last four decades, America saw an explosion of new technologies -- from the Internet to the iPhone,
from Google to Facebook -- but in that same period, the rate of poverty stagnated at a stubborn 13%, only to rise in the recent recession. So, a golden age of innovation in the world's most advanced country did nothing for our most prominent social ill. Toyama’s warning resounds: Don’t believe the hype! Technology is never the main driver of social progress. Geek Heresy inoculates us against the glib rhetoric of tech utopians by revealing that technology is only an amplifier of human conditions. By telling the moving stories of extraordinary people like Patrick Awuah, a Microsoft millionaire who left his lucrative engineering job to open Ghana’s first liberal arts university, and Tara Sreenivasa, a graduate of a remarkable South Indian school that takes children from dollar-a-day families into the high-tech offices of Goldman Sachs and Mercedes-Benz, Toyama shows that even in a world steeped in technology, social challenges are best met with deeply social solutions.

Cultural Performances

The conference was held at Nanyang Technological University in Singapore. Singapore is a nation built historically on migration, resulting in a harmonious multi-cultural mix of races with 40% of the population being migrants. In an effort to showcase Singaporean diversity and to provide a space of expression and interaction among the participants, the conference hosted a dinner providing a variety of Singaporean cuisine and showcased a set of cultural performances throughout the day:

- Traditional Lion Dance
- Malay Dance
- Indian Dance
- Yangqin Chinese Traditional instrument
Cultural and historical walk in Kampong Glam

Before attending the closing party, the participants were taken to the Arab quarter where local students and attendees guided small groups around the area to get a taste of Malay culture and admire the Misjid Sultan. This is one of the historic districts and was declared a conservation area by the Urban Redevelopment Authority of Singapore in 1989.
Closing Party

At the end of day 3, ICTDers had the opportunity to interact in a relaxed, fun and inclusive environment at one of Singapore’s classic nightlife venues. Blujaz Café located in the Arab Quarter also known as Kampong Glam hoisting an eclectic mix of old haberdasheries and new shops selling local wares, such as versions of the famed Singapore Airlines kebaya dress, decorative trinkets and accessories, and books relating to Arabic and Muslim culture and religion.

Film screening and panel discussion

Much of the conference content and discussion focused on development issues affecting developing countries, from health to education and governance. However, developed nations also have a set of development challenges to address. With the dual objective of bringing the challenges faced by developed countries into the discussion and to open the door to different forms of expression addressing ICT’s and development, ICTD2015 hosted a film screening and a panel discussion on migrant experiences.
The film *Fluid Boundaries* explores how migration and marginalization is experienced through stories of people who cross borders. The film portrays how the rigidity of borders are wearing away and served as a point of departure to discuss how ICTs are likewise changing how migrants find their way within new and old places. The panel was formed by:

- Dr. Arul Chib, ICTD2015 Conference Chair
- Claire Cravero, Fulbright Researcher based in Kuala Lumpur, Malaysia
- Jaye Nias, Doctoral Fellow at Bowie State University
- Alex Au, Treasure and Head of Social Media of Transient Workers Count Too
- Vladimir Todorovic, Film Director

### WEBSITE AND SOCIAL MEDIA

15,292 page-views were received on the ICTD 2015 website during the month of May, 2015, with an impressive average session duration of 2:43 minutes with every visitor reading, on average, ~2.5 pages. Website visitors were recorded from 121 countries, with a majority from the ‘Global South’ in Asia, Africa and Latin America. In the map below, the site saw traffic from every country marked in blue.
Social Media

The ICTD conference social media was managed by a dedicated team of four volunteer travel grantees and was supported by SiRC staff. Facebook and Twitter were the two main avenues for community engagement and both enabled the conference to gain exposure to international audiences, and to support community sharing and debate.

In the run up to the conference, on Facebook we shared photographs, research and insights into Singapore, as well as practical travel information (Figure 6). Twitter was used as a mirror of our Facebook page, and the social media team provided coverage of the event during the conference for wider audiences.

By encouraging travel grantees to contribute to the social media team and to live blog the conference sessions, emerging scholars had an opportunity to take on leadership roles and engage with the ICTD community online (Figure 6).

In terms of results, the majority of our success came through Facebook, as we achieved more than 690 page likes, and reached over 6000 eyeballs during the conference period (Figure 7). The majority of our audience were men (26%) and women (19%) between the ages of 25-34. The most popular content was the community photos.

Figure 6 - Social media team live-blogging coverage on Twitter

Figure X - Pre-conference ICTD engagement through Facebook

“As migration news continues to dominate the global headlines, visit our Singapore ICTD map http://ictd2015.org/attend/singapore-ictd-map/to enrich your immersion - Lucky Plaza is a remittance and communication hub for migrants from the Philippines...”

Figure 7 - Facebook Insights for ICTD 2015 during the conference period
Appendix I – Full Papers

Session 1: Education

The Creation of Capital through an ICT-based Learning Program: A Case Study of MOOC Camp
Carleen Maitland and Eric Obeysekare, Penn State College of IST

Data-Driven Intervention – Level Prediction Modeling for Academic Performance
Mvurya Mgala and Audrey Mbogho, University of Cape Town

Using a Principal Agent Model to Explain User-Centered Design Challenges for Mother Tongue Reading in Kenya
Ariel Schwartz, Eva Kaplan, Evviva Weinraub, Lajoie, Trey Terrell, Esther Ajambo
1Maria’s Libraries, 2Oregon State University, 3Makere University

Session 2: Disability, Accessibility and Infrastructure

Learning to Fix: Knowledge, Collaboration and Mobile Phone Repair in Dhaka, Bangladesh
Syed Ishtiaque Ahmed, Steven J. Jackson, Md. Rashidujjaman Rifat
1Cornell University, 2Bangladesh University of Engineering and Technology

Gender and Accessibility in Rwanda and Malawi
Joyojeet Pal, Maura Youngman, Terence O’Neill, Priyank Chandra, Cyprien Semushi
1University of Michigan, 2Michigan State University, 3African Lobelia

Counteracting Dampeners: Understanding Technology-Amplified Capabilities of People with Disabilities in Sierra Leone
Jasmine Jones and Joyojeet Pal, University of Michigan

Solar vs Diesel: Where to Draw the Line for Cell Towers?
Talal Ahmad, Shankar Kalyanaraman, Fareaa Amjad, Lakshmi Subramanian
1New York University, Abu Dhabi 2New York University

Session 3: Agriculture and Small Business

The Mobile Divide Revisited: Mobile Phone Use by Smallholder Farmers in Malawi
Charles Steinfield, Susan Wyche, Tian Cai, Hastings Chiwasa
1Michigan State University, 2Bunda College of Agriculture

Real Mobiles: Kenyan and Zambian Smallholder Farmers’ Current Attitudes towards Mobile Phones
Susan P. Wyche, Melissa Densmore, Brian Samuel Geyer
1Michigan State University, 2University of Cape Town

Mobile Value Added Services: The Case of Women Microentrepreneurs in Indonesia
Tian Cai, Han Ei Chew, Mark R. Levy
1Michigan State University, Nanyang Technological University

E-Business Adoption and Use among African Women- Owned SMEs: An Analytical Study in Nigeria
Ritse Erumi-Esin and Richard Heeks, University of Manchester
Session 4: Mobile Banking and Mobile Phones

Exploring Mobile Phone and Social Media Use in a Nairobi Slum: A Case for Alternative Approaches to Design in ICTD
Susan Wyche, Michigan State University

The Persistence of Paper: A Case Study in Microfinance from Ghana
Ishita Ghosh¹, Jay Chen², Joy Ming³, Azza Abouzied²
¹University of California Berkeley, ²New York University Abu Dhabi, ³Harvard University

Work-related Use and Positive Livelihood Outcomes among Mobile Phone Users in Asia
Komathi Ale, University of Southern California

Promises and Pitfalls of Mobile Money in Afghanistan: Evidence from a Randomized Control Trial
Joshua E. Blumenstock¹, Michael Callen², Tarek Ghani³, Lucas Koepke¹
¹University of Washington, ²Harvard Kennedy School of Government, ³University of California Berkeley

Session 5: Health

See My Work: Sustaining a Data Reporting Practice by Mental Health Clinicians in Liberia
Ellen Zegura¹, Elena Derkits², Janice Cooper²
¹Georgia Tech, ²Emory University

Projecting Health: Community-Led Video Education for Maternal Health
Neha Kumar¹, Trevor Perrier¹, Michelle Desmond², Kiersten Israel-Ballard³, Vikrant Kumar³, Sudip Mahapatra³, Anil Mishra³, Shreya Agarwal³, Rikin Gandhi³, Pallavi Lal³, Richard Anderson¹
¹University of Washington, ²PATH, ³Digital Green

Texting and Sexual Health: Experimental Evidence from an Information Intervention in Kenya
Risa Kitagawa, Stanford University

Session 6: E-Government and Politics

The Politics of Anti-Poverty Artefacts: Lessons from the Computerization of The Food Security System in Karnataka
Silvia Masiero and Amit Prakash, London School of Economics and Political Science

Twitter Democracy: Policy versus Identity Politics in Three Emerging African Democracies
Michael L. Best and Amanda Meng, Georgia Institute of Technology

Revisiting CGNet Swara and its Impact in Rural India
Meghana Marathe¹, Jacki O’Neill¹, Paromita Pain², William Thies¹
¹Microsoft Research India, ²University of Texas

Building Citizen Engagement into the Implementation of Welfare Schemes in Rural India
Dipanjan Chakraborty and Aaditeshwar Seth, ITT Delhi
APPENDIX II – NOTES

Entering the Dream World of Computers
Nova Ahmed¹, A.M. Masudul Haque¹, Luke Doyle²
¹North South University, ²CAFFE

SafeStreet: Empowering Women Against Street Harassment using a Privacy-Aware Location Based Application
Mohammed Eunus Ali¹, Shabnam Basera Rishta¹, Lazima Ansari¹, Tanzima Hashem¹, Ahamad Imtiaz Khan¹, Ahamad Imtiaz Khan²
¹Bangladesh University of Engineering and Technology, ²BMPT, Dhaka University

Fine-tuning Kleine’s Choice Framework
Heidi Elaine Attwood, University of KwaZulu-Natal
Julian Douglas May, University of the Western Cape

A Comprehensive Approach to Scalability Assessment of ICTD Projects: An ICT4RED Case Development
Gugulethu Baduza and Caroline Khene, Rhodes University

guifi.net: A Network Infrastructure Commons
Roger Baig¹, Ramon Roca¹, Leandro Navarro² and Feliz Freitag²
¹Foundation for the Neutral, Free and Open Network, ²Universitat Politècnica de Catalunya

Investigating Contexts of Use for the Development of Domestic Healthcare Technology: an Ethnographic Study
Alison Burrows¹, Jan Noyes¹, Rachael Gooberman-Hill², David Coyle³
¹University of Bristol, ²Bristol Implant Research Avon Orthopaedic Centre, ³University College Dublin

Participatory Video for Nutrition Training for Farmers in Malawi: An Analysis of Knowledge Gain and Adoption
Tian Cai¹, Hastings Chiwasa², Charles Steinfield¹ and Susan Wyche¹
¹Michigan State University, ²Lilonwe University of Agriculture and Nature Resource

Fuzziness in LGBT Non-Profit ICT Use
Ryan Champagne, Julio Guerra, Chun-Hua Tsai, Jocelyn Monahan and Rosta Farzan, University of Pittsburgh

Assistive Technologies and Autonomy in a Cyborg World
Priyank Chandra and Jasmine Jones, University of Michigan

Good Intentions to Read on Mobiles are not Good Enough; Reducing Barriers to m-reading is Crucial
Han Ei Chew, Nanyang Technological University
Mark West, United Nations Educational, Scientific and Cultural Organization

Investigating Mobile Broadband Affordability in Developing Countries: A Cross-National Comparison
Jyoti Choudrie¹, David J. Yates², Girish J. “Jeff” Gulati²
Mobile Technology for Refugee Resilience in Urban and Peri-Urban Malaysia  
Claire E. Cravero, University of Malaya  

Best Practices to Foster a National Information Technology Industry  
Hugo J. Fuentes Castro, Tecnologico de Monterrey Campus Ciudad de Mexico  
Tomas Orozco LaRoche, PuntoGob  

Women’s Inclusion in Digital Bangladesh  
Jude William Genilo, Marium Akther and Monami Haque, University of Liberal Arts Bangladesh  

VillageApps – A Platform to Educate Underprivileged Communities in their Mother Tongue  
Ibrahim Ghaznavi, Umar Muneer, Usman Shahid, Shan Randhawa, Kashif Ali, Tapan Parikh and Umar Saif, University of California Berkeley  

Situation Awareness in Crowdsensing for Disease Surveillance in Crisis Situations  
Peter Haddawy¹, Lutz Frommerberger², Tomi Kauppinen³, Giorgio de Felice⁴, Prae Charkratpahu⁵, Sirawaratt Saengpao⁶, Phanumas Kanchanakitsakul¹  
¹Mahido University Thailand, ²Universitat Bremen, ³Aalto University  

ICTD Systems Development: Analysis of Requirements Elicitation Approaches  
M. Mahmudul Hasan, Harokopio University of Athens  

Analysis of Smartphone Adoption and Usage in a Rural Community Cellular Network  
Kurtis Heimerl, Anuvind Menon, Shaddi Hasan, Kashif Ali, Eric Brewer and Tapan Parikh  
University of California, Berkeley  

Sada Vehra: A Framework for Crowdsourcing Punjabi Language Content  
Jasmine Hentschel and Joyojee Pal, University of Michigan  

An ICTD Project for Promoting Health Awareness Programmes in Indigenous Community  
Rakibul Hoque and Mahfuz Ashraf, University of Dhaka  

The 2014 Indian General Election on Twitter: An Analysis of Changing Political Traditions  
Kokil Jaidka, Nanyang Technological University  
Saifuddin Ahmed, University of California, Davis  

Use of Digital Data in Development Decision-making: An Economic Analysis  
Rubayat Khan, mPower Social Enterprises Ltd.  

Cost Analysis of Nutrition Messaging Intervention through Community-led Videos in Odisha  
Kriti Khurana¹, Ramesh Bhat², Rikin Gandhi³, Peggy Koniz-Booher³  
¹Digital Green, ²Indian Institute of Management, ³John Snow, Inc  

A Connective MOOC for K-12 Science and Mathematics Teacher Professional Development in Native American Pueblo Schools  
Josephine Kilde, University of Colorado Boulder, Lorenzo Gonzales, Los Alamos National Laboratory  

Social Media Fostering Social Good: A Case of Election Monitoring in Nigeria  
Paul O. Lazarus and Tulika A. Saraf, Georgia Institute of Technology  

How to Choose a Mobile Phone for an ICT4D Project  
Maletsabisa Molapo and Melissa Densmore, University of Cape Town  

Assessing Outcome and Impact: Towards a Comprehensive Evaluation Approach in ICT4D  
Hafeni Mthoko and Caroline Khene, Rhodes University
Towards an Architectural Design of a Guideline-Driven EMR System: A Contextual Inquiry of Malawi
Yamiko Joseph Msosa, Melissa Densmore and C. Maria Keet., University of Cape Town

ICTs for Agriculture Knowledge Management: Insights from Dhruva, India
Ram Naresh Kumar Vangala, Maitrayee Mukerji and B N Hiremath, DA-IICT

Kids Hacker Camps in Kenya: Hardware hacking effectiveness in skills transfer
Wachira Ndaiga and Anne Salim, iHub Research

Guessability as an Ethnographic Study of Mobile Technology Usage in Kenya
Jaye Nias, Bowie State University

“Buuza Omulimisa” (Ask the extension officer): Text Messaging for Low Literate Farming Communities in Rural Uganda
Daniel Ninsiima, Michigan State University

Use Errors in SMS Based Reporting Systems
Fahad Pervaiz¹, Trevor Perrier¹, Sompasong Phongphila², Richard Anderson¹
¹University of Washington, ²UNICEF

Using ICT Design Learn About Immigrant Teens from Myanmar
Ann Peterson Bishop, University of Illinois
Karen E. Fisher, University of Washington

Making a Community Network Legal within the South African Regulatory Framework
C. Rey Moreno¹, William Tucker¹, D.Cull², R. Blom²
¹University of Western Cape, ²Ellipsis Regulatory Solutions

ICT as a Corruption Deterrent: A Research Note
Utkarsh Shrivastava and Anol Bhattacherjee, University of South Florida

Mobile Phone Price as a Proxy for Socio-Economic Indicators
Syed Fahad Sultan¹, Hamza Humayun¹, Umar Nadeem², Zubair Khurshid Bhatti³ and Sohaib Khan³
¹Lahore University of Management Sciences, ²Independent Researcher, ³The Wolrd Bank

In Machines We Trust: Do Interactivity and Recordability undermine Democratic Technologies?
S. Shyam Sundar and Akshaya Sreenivasan, Pennsylvania State University

Measurement of Tangible and Intangible Impacts of Telecentres on Rural Communities
Ghazala Tabassum and Alvin W. Yeo, University Malaysia Sarawak

Spatial Thinking for Educational Innovation: The Rwandan Iwacu Project
Brian M. Tomaszewski, Jules Maurice K. M., Anthony Vodacek, Kayla Vodacek, Nick Holt, Rochester Institute of Technology

Graspero: A Social Media Platform for Knowledge Management in NGO’s
Andrii Vozniuk¹, Adrian Holzer¹, Sten Govaerts¹, Jorge Mazuze², Denis Gillet¹
¹EPFL, ²Medecins sans Frontieres

Evaluating Open Development: A Cross National Study
Rong Wang and Francois Bar, University of California Los Angeles

Does a Land Information System Resolve Land Conflicts? A Tale from Rural Eastern Indonesia
Fathul Wahid, Øystein Sæbø and Bjørn Furuholt, University of Adger

Speech-Interface Prompt Design: Lessons from the Field
Jerome White, New York University Abu Dhabi
Mayuri Duggirala, Tata Consultancy Services

**Promoting Participatory Community Building in Refugee Camps with Mapping Technology**

Ying Xu¹, Carleen Maitland¹, Brian Tomaszewski²

¹Penn State University, ²Rochester Institute of Technology

**ICT's Impact on Youth and Local Communities in Syria**

Eiad Yafi¹, Rabie Nasser² and Anas Tawileh³

¹Universiti Kuala Lumpur, ²Syrian Center for Policy Research, ³Systematics Consulting

**Reviving an Indigenous Rainforest Sign Language: Digital Oroo’ Adventure Game**

Tariq Zaman¹, Heike Winschiers-Theophilus², Alvin W. Yeo¹, Lai Chiu Ting¹, Garen Jengan³

¹University Malaysia Sarawak, ²Polytechnic of Namibia, ³Long Lamai Community

**Beyond Bootstrapping: the Liberian iLab as a Maturing Community of Practice**

Ellen W. Zegura, Michael A. Madaio, Rebecca E. Grinter, Georgia Tech
### APPENDIX III - DEMOS

<table>
<thead>
<tr>
<th>DEMOS</th>
<th>Literature</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>eDetection App for TB detection</strong></td>
<td>Jacqueline Chen – Operation ASHA</td>
</tr>
<tr>
<td></td>
<td>Khan Rumduol – Operation ASHA</td>
</tr>
<tr>
<td></td>
<td>Pheng Votey – Operation ASHA</td>
</tr>
<tr>
<td><em><em>JASI</em> – CITIZENS JURY</em>*</td>
<td>Oluwaseun Fakuade – BEACONS Development Foundation</td>
</tr>
<tr>
<td></td>
<td>Ladi Adejumo – BEACONS Development Foundation</td>
</tr>
<tr>
<td><strong>CreativeU</strong></td>
<td>Michael McCabe – Creative Associates International</td>
</tr>
<tr>
<td></td>
<td>Ayan Kishore – Creative Associates International</td>
</tr>
<tr>
<td><strong>mLabour</strong></td>
<td>Maryam Khalid – Dimagi</td>
</tr>
<tr>
<td><strong>Farmerline Voice Messaging Platform</strong></td>
<td>Amos Olertey Wussah – Farmerline Limited &amp; Recipient of FIRE Programme</td>
</tr>
<tr>
<td></td>
<td>(Seed Alliance)</td>
</tr>
<tr>
<td></td>
<td>Bright Schandorf Adu – Farmerline Limited</td>
</tr>
<tr>
<td><strong>An information system for DEMUNA</strong> (Municipal Ombudsmen for Children and Adolescents)</td>
<td>Marta Ortega Portillo – ONGAWA, Ingeniería para el Desarrollo Humano</td>
</tr>
<tr>
<td><strong>NatiV for the reading of Shona</strong></td>
<td>Ian Nyasha Mutamiri – FIRE (AFRINIC) and University of Zimbabwe</td>
</tr>
<tr>
<td><strong>Surelator: A statistical machine translator</strong></td>
<td>Teddy Mantoro – Surya University</td>
</tr>
<tr>
<td></td>
<td>Jelita Asian – Surya University</td>
</tr>
<tr>
<td></td>
<td>Media A. Ayu – Surya University</td>
</tr>
<tr>
<td><strong>MyRide Kenya</strong></td>
<td>Benard Adongo – NikoHapa Ventures Ltd / Kijicho Interactive Ltd</td>
</tr>
<tr>
<td></td>
<td>Alessandra Argenti – NikoHapa Ventures Ltd / Kijicho Interactive Ltd</td>
</tr>
<tr>
<td><strong>eHomemakers</strong></td>
<td>Chong Sheau Ching – eHomemakers</td>
</tr>
<tr>
<td></td>
<td>Rhonwyn Hagedorn – ECHO trainer</td>
</tr>
<tr>
<td><strong>Sangam: A Perso Arabic-Indic Script Machine Transliteration System</strong></td>
<td>Gurpreet Singh Lehal – Punjabi University</td>
</tr>
<tr>
<td></td>
<td>Tejinder Singh Saini – Punjabi University</td>
</tr>
<tr>
<td><strong>Tiflolibros: A digital library for the blind</strong></td>
<td>Pablo Lecuona – Tiflonexos Asociacion Civil</td>
</tr>
<tr>
<td><strong>UbiCUTS: Ubiquitous Shortcuts for easy communication</strong></td>
<td>Natalie Pang – Nanyang Technological University</td>
</tr>
<tr>
<td></td>
<td>Schubert Foo – Nanyang Technological University</td>
</tr>
<tr>
<td></td>
<td>Sesagiri Raamkumar Aravind – Nanyang Technological University</td>
</tr>
<tr>
<td></td>
<td>Xue Zhang – Nanyang Technological University</td>
</tr>
<tr>
<td></td>
<td>Samantha Vu – Nanyang Technological University</td>
</tr>
</tbody>
</table>

**ICTD Africa Researchers Network**

| Kweku Koranteng – University of Ghana, Legon |
| Robert Okine – Kwame Nkrumah University of Science and Technology |

**UlanMO Manila**

| Charlene Kate S. Tolentino – Ateneo de Manila University |
| Jan Amiel R. Reveche – Ateneo de Manila University |
| Camille Marie Ruiz – Ateneo de Manila University |
| John Paul C. Vergara – Ateneo de Manila University |
| Guillermo Paolo M. Agloro, Jr. – Ateneo de Manila University |
| Genevieve Rose H. Lorenzo – Manila Observatory |

**Localised SMS messaging for maternal and child health messaging**

| Chetan Sharma – Datamation Foundation |

**Dato Duro**

| Laura Zommer – Chequeado |
| Matias Di Santi – Chequeado |
| Pablo Martín Fernández – Chequeado |
| Élmer Menjivar – El Faro |
| Juan Miguel Bajo – Universidad Nacional del Sur |

**FarmerQuery**

| Hasib Ahsan – mPower Social Enterprises Limited |
| Sadman Sadek – mPower Social Enterprises Limited |

**Haze Analytics ToolS (HATS)**

| Theng Yin Leng – Nanyang Technological University |
| Nguyen Quoc Nam Tran – Nanyang Technological University |
| Pham Tan Phat – Nanyang Technological University |
| John Robert Bautista – Nanyang Technological University |

**Continuous Professional Development (CPD) for Kenya Medical Practitioners and Dentists Board (KMPD)**

| Isaya Owino Opondo – Synergy Informatics Ltd |
| Moses Wakanyi – Synergy Informatics Ltd |

**Lôr Bouôr**

<p>| Ehui Khan Jean-Delmas – ICT4Dev.ci / FIRE 2014 Awards Winner |
| Florent Youzan – ICT4Dev.ci |</p>
<table>
<thead>
<tr>
<th></th>
<th>Name</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CuePBox</strong></td>
<td>Paul Patinadan – COSMIC / Nanyang Technological University</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Theng Yin Leng – COSMIC / Nanyang Technological University</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Jason Lee – COSMIC / Nanyang Technological University</td>
<td></td>
</tr>
<tr>
<td><strong>MoBuzz</strong></td>
<td>May O. Lwin – Nanyang Technological University</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Santosh Vijaykumar – Nanyang Technological University</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Owen Noel Newton Fernando – Nanyang Technological University</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Vajira Sampath Ratnayake – Nanyang Technological University</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gentatsu Lim – Nanyang Technological University</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Schubert Foo – Nanyang Technological University</td>
<td></td>
</tr>
<tr>
<td><strong>ICT impact evaluation: A 12 step approach</strong></td>
<td>Sonal Zaveri – IDRC/New Economy Development Group, Inc</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Vira Ramelan – IDRC/New Economy Development Group, Inc</td>
<td></td>
</tr>
<tr>
<td><strong>Usbong</strong></td>
<td>Michael B. Syson – Usbong Social Systems, Inc. (Usbong), Ateneo de Manila University</td>
<td></td>
</tr>
<tr>
<td><strong>Viviki</strong></td>
<td>Ano Tisam – Cook Islands Internet Action Group</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Maureen – Cook Islands Internet Action Group</td>
<td></td>
</tr>
</tbody>
</table>
APPENDIX IV - OPEN SESSIONS

Gary Marsden Memorial Session - Special Session
Organizers: Kentaro Toyama, Julian May, Edwin Blake & Bill Tucker

Bridging the North-South Divide in Mobile Research: Assumptions, Questions, and Strategies - Roundtable
Organizers: Komathi Ale, Seyram Avle, Joseph Bayer, Tian Cai, Rong Wang

Public Access ICT: What we know about impact and how to amplify it - Panel / Roundtable
Organizers: Nor Alias Aziah, Dorothea Kleine, Osama Manzar, India Marhaini Mohd Noor, Patricia Peña, Francisco J Proenza and Marion Walton

Digital Youth as Global Wayfarers - Guided discussion
Organizers: Kentaro Toyama, Julian May, Edwin Blake & Bill Tucker

Community cellular networks: Bringing cellular connectivity in rural areas - Workshop
Organizers: Mariya Zheleva

Understanding the impact of mobile money in development: an in-depth look at experiences from Bangladesh – Workshop
Organizers: Asif Saleh, Safiq Islam, Paroma Hussain

Development Challenges in a Developed Island - WKWSCI Students Open Session
Organizers: Anoop P. Simha, Ankur Chaturvedi, Wang Zhen

Seed Alliance: Helping ideas grow - Panel
Organizers: Patricia Senghor, Lara Robledo, Sylvia Cadena

Life of Electronics – Panel
Organizers: Vera Hoelscher, Rafael Font

Global Knowledge Sharing of Implementing a Digital Manufacturing Lab (FabLab) for Rural Development in Sri Lanka – Panel discussion
Organizers: Chaminda Hettiarachchi, Priyantha Palapathwala

Systematic Reviews in ICTD: the hype vs. the reality – Panel
Organizers: Helani Galpaya, Laurent Elder, Tim Kelly

Careers in ICT4D - Panel and Career Surgery
Organizers: Dorothea Kleine, Bill Tucker

Towards a shared understanding of the Comprehensive Nature of Evaluating ICT in Development: Trends in Current Practice – Workshop
Organizers: Hafeni Mthoko, Joshua Osah, Gugulethu Baduza

Thinking about Market Information Systems: Bridging Theory and Practice - Workshop
Organizers: Janaki Srinivasan, Elisa Oreglia, Susan Wyche and Eduardo Nakasone

GIS for Development – Workshop
Organizers: Gwilym Eades

ICTD World Cup – Workshop
Organizers: Benjamin Akinmoyeje, Claudia Flores Saviaga

Delivering health service through ICT in rural communities- Stories from Bangladesh - Story telling and brainstorming workshop
Organizer: Rubayat Khan
Data for Development (D4D): The good, the bad and the ugly – Panel  
Organizers: Hernan Galperin

Debating Geek Heresy – Panel  
Organizers: Kentaro Toyama, Michael Best, Richa Kumar

Innovation Accelerator: Connecting ICTD researchers and practitioners – Workshop  
Organizers: Ayan Kishore

Sharing Experiences: Applying the Capabilities Approach in ICT4D – Workshop  
Organizers: Dorothea Kleine

ICT and Development in Myanmar: Creating Bridges, Fostering Coordination – Panel  
Organizers: Elisa Oreglia

Practitioner perspectives: Taking big-data evidence to development policy – Panel  
Organizers: Sriganesh Lokanathan

Being Gender-Aware in ICTD Research – Panel  
Organizers: Neha Kumar and Nicola Dell

Photo Stories: an interactive photo exhibition based on participatory photography with Hispanic migrants at the US-Mexico border – Photo exhibition and discussion session  
Organizers: Ricardo Gomez

The Shape of Emerging Market Digital Economies - Workshop and consultation  
Organizers: Jonathan Donner

OCSDNet: Catalyzing Open & Collaborative Science for Development Opportunities in the Global South – Panel  
Organizer: Angela Okune

The Persistence of Paper in Low-resource Setting – Panel  
Organizers: Ishita Ghosh and Jay Chen

Is a Transformatory ICT4D possible (& how would we know it if we saw it)? – Workshop  
Organizers: Tony Roberts, Sammia Poveda
### APPENDIX V- PARTICIPANT’S STATISTICS

<table>
<thead>
<tr>
<th>Country</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Albanian</td>
<td>1</td>
</tr>
<tr>
<td>Argentina</td>
<td>3</td>
</tr>
<tr>
<td>Australia</td>
<td>1</td>
</tr>
<tr>
<td>Bangladesh</td>
<td>16</td>
</tr>
<tr>
<td>Belize</td>
<td>1</td>
</tr>
<tr>
<td>Cambodia</td>
<td>2</td>
</tr>
<tr>
<td>Canada</td>
<td>6</td>
</tr>
<tr>
<td>Chile</td>
<td>1</td>
</tr>
<tr>
<td>China</td>
<td>4</td>
</tr>
<tr>
<td>Colombia</td>
<td>1</td>
</tr>
<tr>
<td>Cote d’Ivoir</td>
<td>1</td>
</tr>
<tr>
<td>Ecuador</td>
<td>1</td>
</tr>
<tr>
<td>Ethiopia</td>
<td>2</td>
</tr>
<tr>
<td>France</td>
<td>1</td>
</tr>
<tr>
<td>Germany</td>
<td>3</td>
</tr>
<tr>
<td>Ghana</td>
<td>5</td>
</tr>
<tr>
<td>India</td>
<td>25</td>
</tr>
<tr>
<td>Indonesia</td>
<td>4</td>
</tr>
<tr>
<td>Italy</td>
<td>2</td>
</tr>
<tr>
<td>Japan</td>
<td>2</td>
</tr>
<tr>
<td>Kenya</td>
<td>6</td>
</tr>
<tr>
<td>Lesotho</td>
<td>1</td>
</tr>
<tr>
<td>Malawi</td>
<td>2</td>
</tr>
<tr>
<td>Malaysia</td>
<td>11</td>
</tr>
<tr>
<td>Mexico</td>
<td>1</td>
</tr>
<tr>
<td>Myanmar</td>
<td>1</td>
</tr>
<tr>
<td>Namibia</td>
<td>1</td>
</tr>
<tr>
<td>Nigeria</td>
<td>7</td>
</tr>
<tr>
<td>Pakistan</td>
<td>8</td>
</tr>
<tr>
<td>Peru</td>
<td>1</td>
</tr>
<tr>
<td>Philippines</td>
<td>6</td>
</tr>
<tr>
<td>Singapore</td>
<td>33</td>
</tr>
<tr>
<td>South Africa</td>
<td>6</td>
</tr>
<tr>
<td>Spain</td>
<td>3</td>
</tr>
<tr>
<td>Sri Lankan</td>
<td>10</td>
</tr>
<tr>
<td>Sweden</td>
<td>3</td>
</tr>
<tr>
<td>Switzerland</td>
<td>1</td>
</tr>
<tr>
<td>Syria</td>
<td>1</td>
</tr>
<tr>
<td>Taiwan</td>
<td>1</td>
</tr>
<tr>
<td>Thailand</td>
<td>2</td>
</tr>
<tr>
<td>Uganda</td>
<td>3</td>
</tr>
<tr>
<td>Ukraine</td>
<td>1</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>8</td>
</tr>
<tr>
<td>United States</td>
<td>41</td>
</tr>
<tr>
<td>Uruguay</td>
<td>1</td>
</tr>
<tr>
<td>Vietnam</td>
<td>1</td>
</tr>
<tr>
<td>Zimbabwe</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>243</strong></td>
</tr>
</tbody>
</table>
## Appendix VI - REGISTRATION FEES

Registration Fees (Singapore Dollars)

<table>
<thead>
<tr>
<th>Category</th>
<th>Early bird registration</th>
<th>Normal registration</th>
<th>On-site registration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full</td>
<td>400</td>
<td>500</td>
<td>600</td>
</tr>
<tr>
<td>Student</td>
<td>200</td>
<td>250</td>
<td>300</td>
</tr>
<tr>
<td>Day</td>
<td>125</td>
<td>175</td>
<td>200</td>
</tr>
<tr>
<td>Guest</td>
<td>200</td>
<td>250</td>
<td>300</td>
</tr>
</tbody>
</table>