

**Planning for the future of a City, Generation,  
and Workforce**

**A Formal Report on the June 26th International  
Information and Communications Technology Event in  
Dar es Salaam, Tanzania**

**Written by:**

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# **Planning for the Future of a City, Generation and Workforce: Formal Report on the International ICT Event in Dar es Salaam, Tanzania**

## **How it began: UFV/ARU Partnership:**

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As Tanzania and many countries begin to face rapid population increases they are continually faced with challenges of development, urbanization, and especially sustainable development. ARDHI University's (ARU) Institute of Human Settlements Development (IHSS) in Dar es Salaam Tanzania is already involved in a range of projects that attempt to address some of the problems related to development and urbanization. The IHSS, in cooperation with governmental and non-governmental organizations, not only participates in planning throughout Tanzania but has begun projects related to settlement upgrading, sustainable development and food security.

With funding provided by the Association of Universities and Colleges Canada (AUCC) along with development initiatives from the Canadian International Development Agency (CIDA), Students from the University of the Fraser Valley (UFV) in Abbotsford, British Columbia, Canada as well as ARU students, have been honored with the opportunity for a partnership that allows students from both institutions to engage in such projects. Specifically, in the early phases of the projects, geography and global development studies students will assist with GIS Community mapping, visioning and initiating sustainable school projects that include gardening, green pilot projects and curriculum development in both Dar es Salaam and the Abbotsford area.

Specific outcomes of this partnership include capacity building, development of social capital through education, youth related activities, and economic growth through urban agriculture activities. The goals and objectives of both the projects and partnerships are not only in line with Republic of Tanzania 2025 vision for Tanzania as well as the national strategy for growth and reduction of poverty, but also with CIDA priority development themes.

## **The Role of ICT**

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One of the largest contributors to the success of this partnership has been the active participation and help that Information and Communication Technologies (ICT) has provided. In an attempt to bring awareness to many of the growing power of ICT worldwide, gender equality, climate change, and planning, ARU and UFV recently partnered (June 26<sup>th</sup>, 2012) to host an International ICT event at the Protea Court Hotel in Dar es Salaam, Tanzania. The purpose behind the ICT event goes beyond the growing

involvement of ICT in diverse careers such as health, banking, agriculture, safety, security, marketing, planning and development, but also holds great potential in the future of women, Tanzania, and Africa as a whole. Traditionally the development of ICT infrastructure has been too costly for nations such as Tanzania, but with the adoption of the National ICT policy in 2003 the industry has begun to find support within the country by both the government and private industry. With the massive growth of the cell phone in the African continent as a whole, growing from about zero at the turn of century to a massive 13 million, or 1 for every 2 people by 2009, it can be seen that technology holds the potential to lift Africa to new heights. In fact many companies now provide the possibility for e-banking, e-commerce, e-learning, e-democracy, and even e-agriculture. With this massive influx of technology within the African continent it can clearly be seen that ICT holds promising potential for the future of people in Tanzania, especially women.

## Partners involved

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The success of the ICT event was the result of the many partnerships that were involved with the event. Two of the main partners involved in hosting the event include both UFV and ARU. Other main contributing partners were; Making Africa Work , a non profit organization that focuses on helping African communities work their way out of poverty to become prosperous, healthy and productive communities, Rivercross Tracking, A Tanzanian run Canadian company that uses GPS/GPRS/Satellite to track vehicles, cargo and sometimes animals, The International Telecommunications Union, the UN's specialized agency in information and communication technologies, and finally Women Fund Tanzania, a local NGO in Dar es Salaam which focuses on empowering women and championing women's rights across the country.



Figure 1: UFV Professor Cherie Enns and fellow Canadian Student Interns help in preparation for the event



Figure 2: ARU PhD student Guido UHINGA Presents on his work on the effects of climate change and flooding in Dar es Salaam, Tanzania.



Figure 2: Professor Kombe of ARU begins the conference with an introduction on the importance of ICT.



Figure 3: UFV Students share their knowledge with young Tanzanian women on the practical use of GPS.



Figure 5: ARU PhD Student Elenoreta Mbuya presents her work on the effects of climate change and flooding in Dar es Salaam, Tanzania.



Figure 6: A Representative from Rivercross Tracking explains the importance of ICT in industry.

## Appendix A

### ICT Invitational Poster



### Planning for the Future of a City, Generation, and Workforce: ARDHI University & University of the Fraser Valley are proud to host Presentations and a Workshop on Information and Communication

#### Technologies

**What** – Presentations from Ardhi University PhD Students Elinorata Mbuya and Guido Uhinga on the Importance of Mapping the effects of Climate Change and Flooding on Informal Settlements followed by workshop inspired by the UN Girls ICT Portal.

**Who**- Women between the ages of 18-25

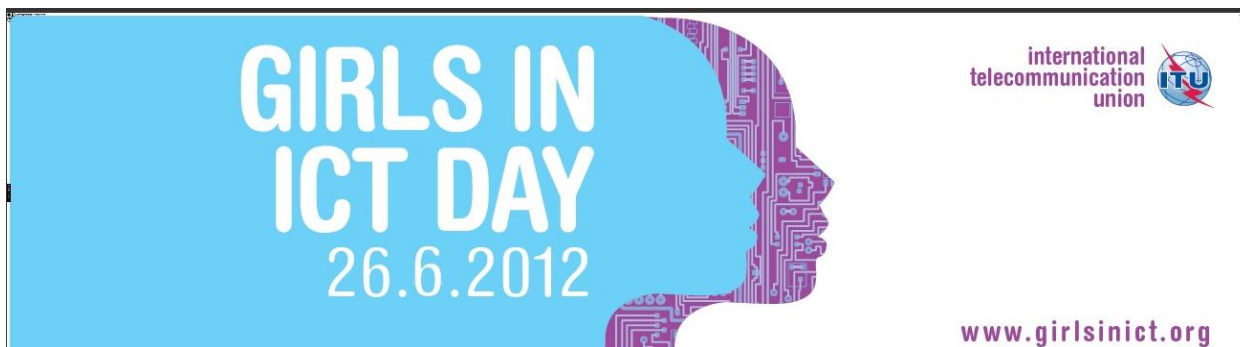
**Where**---Protea Courtyard- Dar es Salaam

**When**---June 26, 2012- 9 a.m. - 3.p.m.

**Why**---- to involve and empower women in a career that is growing rapidly around the world

#### About the event

Association of Universities & Colleges Canada (AUCC) are proud to sponsor a research partnership with the University of the Fraser Valley (UFV) and Ardhi University (ARU) who will be hosting an Information and Communication Technologies (ICT) Day event for girls. This public engagement event is for women to learn more about what ICT has to offer. This event will present current ongoing research from students at ARU that have been involved in mapping and GPS work related to flooding of informal settlements in Dar es Salaam. The event is being hosted in coordination with the UN Girls ICT portal, Making Africa Work, Women's Fund Tanzania, and River Cross Tracking Limited.





## Appendix B

### ICT Event Program

#### University of the Fraser Valley & ARDHI

University Presents: Planning for the Future:  
Presentations and Workshop for Women in ICT

#### **Itinerary:**

9:00 A.M. – Registration/ GPS Workshop for Women

9:30 A.M.- Tea/Networking

10:00 A.M.- Official Program Starts

- Introductions, Cherie Enns MCIP, PhD(Cand.)

10:05 A.M.- Introductions by Professor W. Kombe

10:15 A.M.- ARDHI University PhD Students Present on the Effects of Climate Change

- ARDHI University PhD Student Elenoreta Mbuya Presentation/Discussion

10:45 A.M.

- ARDHI University PhD Student Guido UHINGA Presentation/Discussion

11:15 A.M.

- Cherie Enns, MCIP, PhD (Cand.)- UFV Internship program





Association of Universities and Colleges of Canada  
Association des universités et collèges du Canada

11:30 A.M.

- UFV Students Present on their AUCC Internships

12:00 P.M.

- Christian da Silvia  
Senior Analyst Tanzania Program (CIDA)

12:15 P.M.

- Thurea Khalfan  
Rivercross Tracking  
(East African/ Canadian Company)

12:30 P.M.

- Florence Mndolwa  
Trade Commissioner from the High Commission of Canada.

1:00 P.M.

- Lunch

2:00 P.M.

- End of Presentations
- Practical Training with GPS for Workshop registrants

2:30 P.M.

- End of Official Program



## Appendix C

### Event Workshop

On Tuesday June 26, 2012, the Association of Universities and Colleges Canada funded an event hosted by the University of the Fraser Valley (UFV) in Canada, and ARDHI University (ARU) in Dar es Salaam, Tanzania, called **Planning for the Future of a City, Generation, and Workforce**: An information and communication technologies seminar and workshop which was at the Protea Hotel in Dar es Salaam. This Event was organized specifically for women between the ages of 18-25 with various levels of ICT knowledge in order to improve gender equality in a career that is in becoming high in demand. The event started out with seventeen young women participating in GPS training that was conducted by four interns from UFV. The morning session of training included the women being divided into groups where they were taught basic knowledge of what a GPS is capable of, as well as how to make simple, but powerful maps using Google Earth.

After the conclusion of the morning workshop the official program started with introductions from Professor Kombie from ARU & Professor Cherie Enns from UFV, who spoke about how ICT was underdeveloped in Tanzania as well as the importance of women becoming involved in the field. After introductions were complete ARU PhD students Elenoreta Mbuya and Guido Uhinga presented their research on climate change, flooding and how GPS has contributed to their work. Other representatives included the Canadian International Development Agency (CIDA), the Canadian High Commission, and an industry representative from RiverCross tracking who explained how GPS can be a powerful tool in tracking cargo, vehicles, and even animals. Other attendees included Professor Kyessi from ARU, various other ARU representatives, various NGO representatives, as well as a few journalists from the local newspaper.

Similar to how the event kicked off, it was concluded after lunch with a short practical GPS workshop. This workshop included the women being broken into teams again where they “competed” to apply what they had learned from the morning’s workshop. With assistant from the UFV interns, the women were to find specific waypoints, calculate the area of a specific region of the hotel, as well as show how to check for a good satellite connection. After two GPS workshops, some informative presentations on planning, GPS, climate change and women’s roles in ICT, two articles were formally printed in the local newspapers about the success of the event.

## **Appendix D**

ICT Event Press Release  
For Immediate Release  
Contact: Caitlin Foreman  
Email: cforeman@live.ca

### Planning for the Future: Presentations and Workshop for Women on ICT

The Association of Universities & Colleges Canada (AUCC) funded a research partnership with the University of the Fraser Valley (UFV) and Ardhi University (ARU) who are proud to be hosting an Information and Communication Technologies (ICT) Day event for young women. The event is being held on June 26. This event will run from 10am-3pm and features presentations from two Ardhi PhD students with a workshop put on by interns from Canada for young women on how to use GPS/GIS. For more details email [cenns@makingafricawork.com](mailto:cenns@makingafricawork.com).

ICT is the fastest growing industry today and more jobs are created in this industry than any other. The same prospects are for the future. ICT has been identified as the industry that will lead forward world economies, improve lives of families across the globe and make the planet a smaller, more accessible place. Women should take a more prominent role in this process. This is why the UN has created the UN Girls ICT Portal and holds Girls and ICT events annually.

This public engagement event is for women to learn more about what ICT has to offer in the field of urban planning. This event will present current ongoing research from students at ARU that have been involved in mapping and GPS work related to flooding of informal settlements in Dar es Salaam. After lunch selected young women will have the opportunity to participate in a training session and workshop on GPS and GIS mapping. The event is being hosted in coordination with the UN Girls ICT portal, Making Africa Work, Women's Fund Tanzania, and River Cross Tracking Limited.

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If you would like more information about this event please email Caitlin Foreman at [cforeman@live.ca](mailto:cforeman@live.ca) or Cherie Enns at [cenns@makingafricawork.com](mailto:cenns@makingafricawork.com)