

Association for Information Systems

Special Interest Group for ICT in Global Development

(SIG GlobDev)

<http://www.globdev.org>

**ICT Innovation in Developing Regions:**

**Human Capital and Capacity Building for Development**

**Program**

# 5th Annual

# SIG GlobDev Workshop

**Sponsor**



**ICT Innovation in Developing Regions:**

**Human Capital and Capacity Building for Development**

**Preface**

We are pleased to welcome you to the 5th Annual Workshop of the AIS Special Interest Group for ICT in Global Development. The objective of the SIG is to contribute to progress in the economically developing world through research on the appropriate use of ICT and associated management practices. Over its three-year existence, the SIG has attracted over 100 members, approximately 40 of whom have agreed to serve on its governing board. As shown in Appendix I, the oversight committee and each of the SIG’s five working committees consists of representatives from seven different regions: Africa, Asia, Australasia, Europe, Mid-east, North America and South America.

This workshop provides a forum for discussion of practical experience and research related to the use of ICT in global development. A total of 24 papers were submitted to the workshop by authors from all over the world. These papers were reviewed by at least two and often three reviewers. Every paper underwent one round of revision before being accepted for inclusion in the workshop proceedings. The 18 accepted papers are grouped into 6 sessions as shown below under “Workshop at a Glance” with each session containing 3 papers. The full text of each paper is available on the SIG GlobDev web site and will be included in the AIS eLibrary.

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Sajda Qureshi, University of Nebraska Omaha, USA

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Josephine Nabukenya-Mukalazi, Makerere University, Uganda

Sergey Samoilenko, Virginia Union University, USA

**Workshop-at-a-Glance**

**All events take place in**

**SIG GlobDev**

**5th Annual Workshop, Orlando, December 16, 2012**

**Program Overview**

**Venue: Marriot, Crystal B, C**

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| **Time** | **Event** |
| 7:30 – 8:30 | *Continental Breakfast* |
| 8:30 - 8:45 | **Session I: Introduction to the Workshop** |
| 8:45 - 9:30 | **Session II: Keynote Address****Smart Conversations for Sustainable Development** |
| 9:30 -9:45 | *Coffee Break* |
| 9:45 - 11:00 | **Session III:** **Human Capacity Building**3 Papers: 75 minutes |
| 11:00 - 12:00 | **Session IV: Panel** **Global Text Project Update: Translations and AIESEC Collaborations**60 minutes |
| 12:00 -1:00 | *Break/Lunch* |
| 1:00 - 2:30 | **Session V: Human Capacity Building**3 Papers: 90 minutes | **Session VI:** **Capabilities for Developing Human Capital** 3 Papers: 90 minutes |
| 2:30 – 2:45 | *Social Break* |
| 2:45 - 4:15 | **Paper Session VII: Information and Communication Technology Infrastructures** 3 Papers: 90 minutes | **Session VIII: Research in Progress Innovations for Global Development**3 Papers: 90 minutes |
| 4:15 – 4:30 | *Coffee Break*  |
| 4:30 – 6:00 | **Session IX****Challenges from the Field**3 Papers: 90 minutes  |
| 5:00 – 6:15 | **Session X: ITD Forum** Tapping into Emerging Markets  |
|  | *End of Workshop* |

Submitted, 22 papers. Accepted 16 Papers.

# Program

Fifth annual SIG Globdev Workshop

**7:30 – 8:30 am**

### Room: Crystal B

**Continental Breakfast**

### 8:30 – 8:45 am SESSION I - Plenary

### Introduction to the Workshop

### Room: Crystal B

**General Workshop Co-Chairs**

Ojelanki Ngenyama, Ryerson University, USA

 Sajda Qureshi, University of Nebraska at Omaha, USA

**Local Arrangements Chair**
**Ted Stohr**, Stevens Institute of Technology, USA

## 8:45 – 9:30 amSESSION II – Keynote Address:

##  Smart Conversations for Sustainable Development

### Room: Crystal B

**Session Chair:**

**Ted Stohr**, Stevens Institute of Technology, USA

**Speaker**

Henk G.Sol, University of Groningen, Netherlands

### 9:30 – 9:45 amCoffee Break

**9:45 – 11:00 am**
**SESSION III – Human Capacity Building**

### Room: Crystal B

### Session Chair

Name, Affiliation

**Supply elasticity within the South African ICT labour market**

 Johan Breytenbach, University of Pretoria, South Africa.

 Carina de Villiers, University of Pretoria, South Africa.

**Application of capital flow analysis to identify mechanisms for human capacity building in IS projects in a developing economy**

 Workshet Lamenew Debay, Addis Ababa University, Ethiopia.

 Tilahun Teklu, Addis Ababa University, Ethiopia.

 Richard T. Watson, University of Georgia, USA.

**Building Capacity and Developing Human capital**

 Shana Ponelis, University of Wisconsin Milwaukee, USA.

 Machdel Matthee, University of Pretoria, South Africa.

 Sheryl Buckley, University of South Africa, South Africa.

 Jan H. Kroeze, University of South Africa, South Africa.

 Isabella M. Venter, University of the Western Cape, South Africa.

 Philip D. Pretorius, North-West University, South Africa.

**11:00 am -12:00 noon**

### SESSION IV – PANEL

### Global Text Project Update: Translations and AIESEC Collaborations

### Room: Crystal B

**Session Chair:**

**Ted Stohr,** Stevens Institute of Technology, USA

**Panelists**

Don McCubbrey, University of Denver, USA

Rick Watson, University of Georgia, USA

### 12:00 -1:00 pm

### LunchRoom: Crystal B

## Paper Sessions - Two Parallel Sessions

### 1:00 – 2:30 pm

### (Parallel) SESSION V – Capabilities for Developing Human Capital

### Room: Crystal B

**Session Chair:**

Paul Golding, University of Technology, Jamaica

**An Analysis of Students’ Perceptions and Attitudes to Online Learning Use in Higher Education in Jamaica: An Extension of TAM**

Corlane Barclay, University of Technology, Jamaica.

 Kweku Muata Osei-Bryson, Virginia Commonwealth University, USA.

**What are the dynamic capabilities needed for a National e-learning implementation?**

Christine Charlton-Laing, University of the West Indies, Jamaica.

Gerald Grant, Carleton University, Canada.

**Action Design Ethnographic Research Methodology for IS Studies in Developing Countries**

M.S. Alam, Brunel University, UK.

Laurence Brooks, Brunel University, UK.

Pamela Abbott, Brunel University, UK.

### 1:00 – 2:30 pm(Parallel) SESSION VI – Capacity and Human capital

### Room: Room: Crystal C

### Session Chair:

### Arlene Bailey, University of the West Indies, Jamaica

**Chinese Human Cloud / Crowdsourcing: An Inquiry and Analysis Of Current Practices**

 Erran Carmel, American University, USA

 Chaoqing Hou, Ernst & Young, USA

 Tim Olsen, Arizona State University, USA

**Towards scalability of ICT4D projects: the identification of potential champions**

 Øystein Sæbø, University of Agder, Norway.

 Devinder Thapa, Luleå Technical University, Sweden.

**National Culture and Organizational Capabilities of IT Offshoring Services in Kenya**

 Nixon Muganda Ochara, University of Pretoria, South Africa

 Athman Fadhili, Kenyatta University, Uganda.

### 2:30 – 2:45 pmCoffee Break

## Paper Sessions - Two Parallel Sessions

### 2:45 – 4:15 pmSESSION VII – Information and Communication Technology Infrastructures

### Room: Crystal C

### Session ChairName, Affiliation

**The Construction of A Domain Ontology for Criminal Investigation: The Case of the Jamaican Constabulary Force**

 Charlette M. Donalds, The University of the West Indies, Jamaica.

 Kweku-Muata Osei-Bryson, Virginia Commonwealth University, USA.

**Feasibility Analysis for Deploying a Centralized Information Exchange Infrastructure in Pakistan**

 Faraz Hameed, Stockholm University, Sweden.

 Haider Abbas, National University of Sciences & Technology, Pakistan.

 Maruf Pasha, Bahauddin Zakariya University, Pakistan.

 Louise Yngström, Stockholm University, Sweden.

**Information Separation in Service Supply Chains at the Bottom of the Pyramid: An Illustration through Telemedicine**

 Monideepa Tarafdar, University of Toledo, USA.

 Nehemiah Scott, University of Toledo, USA.

**2:45 – 4:15 pm
(Parallel) SESSION VIII – Research in Progress: Innovations in Global Development**

###  Room: Crystal B

 **Session Chair:**

Corlane Barclay, University of Technology, Jamaica.

**Validating Perception and Use of Mobile Social Network Service: A Cross-Cultural Comparison Study**

 Chengqi Guo, James Madison University, USA.

 J.P. Shim, Georgia State University, USA.

 Xin Luo, The University of New Mexico, USA.

 Anil Gurung, Marshall University, USA.

**Shaping the Future of Businesses, Governments and Nations: The strategic importance of ICT**

 Stanley Beckford, The University of the West Indies , Jamaica.

**SILECT: System of Interactive Education for Learning and Earning using Computer Technology**

 Sundar M. Vaidya, University of Nebraska Omaha, USA

 Namita Pradhan, Nepal Telecom, Jawlakhel, Nepal.

### 4:15 – 4:30 pmCoffee Break

### 4:30 – 5:00 pm****SESSION IX – Practice Papers: Challenges from the Field****

### Room: Crystal C

### Session ChairName, Affiliation

**Regional Capacity Building with ICT Cluster – Case of Salvador, Brazil**

 Stephanie Feeney, DePaul University, Chicago USA

Olayele Adelakun, DePaul University, Chicago, USA

**Leveraging Micro Blogging to Build Trust**

Sarah Yixin Zhang, Hong Kong University of Science and Technology, China.

Zhixing Zhang, Hong Kong University of Science and Technology, China.

### Isn’t Money Green? ICT, Resource-Based View and the Broader Meaning of Sustainability

### Patrick I. Jeffers, Manhattan College, USA.

### 5:00 – 6:15 pm

### SESSION X - ITD Forum

### Tapping into Emerging Markets

### Room: Crystal B

**Session Chair**:

Anthony Ming, Commonwealth Secretariat, London

### **Panelists**

### Doug Vogel, City University of Hong Kong, China.

### Sajda Qureshi, University of Nebraska Omaha, USA.

Ojelanki Ngwenyama, Ryerson University, USA

### Kweku Muata Osei-Bryson, Virginia Commonwealth University, USA.

**End of Workshop**

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| December 15th 5:00 - 6:15 pm ****ITD Journal Board Meeting**** 6:15 – 7:00 pm ****SIG GlobDev Board Meeting**** |

**SIG GLOBDEV ORGANIZATION**

**July 2012**

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