

Name: **Fulbert L. Namwamba**

## **RESEARCH, PUBLICATIONS AND SYNERGISTIC ACTIVITIES**

### **Pending Abstracts & Publications**

#### ***20<sup>th</sup> Louisiana GIS & Remote Sensing Conference- April 20-22, 2004 Abstracts***

*Spatial Analysis of HIV/AIDS in Sub-Sahara Africa Using GIS*

Authors: Kim Player, Lionel D. Lyles, and **Fulbert Namwamba**, Southern University, Baton Rouge, LA

*Seasonal and Inter-annual Variations in Surface Water CHLa Patterns of the Gulf of Mexico: An Analysis of First Six Years of SEAWIFS Data*

Authors: Jinchun Yuan, Department of Marine Science, The University of Southern Mississippi, Stennis Space Center, MS, Michael Dagg, Louisiana Universities Marine Consortium, Chauvin, LA, and **Fulbert Namwamba** and Lionel Lyles, Center for Energy and Environmental Studies, Southern University, Baton Rouge, LA

*Louisiana Coastal Zone Erosion: A Historical Analysis of 100+ Years of Landuse and Land Cover Change Using GIS and Remote Sensing Data*

Authors: Lionel Lyles and **Fulbert Namwamba**, Southern University, Baton Rouge, LA

#### ***20<sup>th</sup> Louisiana GIS & Remote Sensing Conference-Posters***

*GIS Assisted Ecosystem Analysis of Bayou DuPlantier*

Authors: Peggy Davis, Baton Rouge Green, Baton Rouge, LA, Ed Drangmeister, Robert E. Lee High School, Baton Rouge, LA, and **Fulbert Namwamba**, Southern University, Baton Rouge, LA

*The Center for Coastal Zone Assessment and Remote Sensing*

Authors: M. Stubblefield, K Abdollahi, L. Lyles, Z. Ning, and **F. Namwamba**, CCZARS, Southern University, Baton Rouge, LA, N. Walker, Coastal Studies Institute, Louisiana State University, Baton Rouge, LA, and E. Reyes, University of New Orleans, New Orleans, LA

### **Book**

Qi, Y., Namwamba, F., Zhang, J., and Tuma, J. (2003). Bayou Bodcau Dam and Reservoir: Park Management Plan. Submitted to US Army Corps of Engineers, Vicksburg District.

### **Refereed Publications**

Namwamba F., Collins, D. J., Abdollahi, K., Ning, Z., Qi, Y., and Stone R. (2003). Encouraging minorities to enroll and graduate in Urban Forestry and Related Disciplines at Southern University. Paper accepted to publication in the Proceedings of Symposium on Celebrating Minority Professionals in Forestry and Natural Resources Conservation.

Namwamba F., Collins, D. J., Abdollahi, K., Ning, Z., Qi, Y., and Stone R. (2003). The history and background of Urban Forestry Education at Southern University. Paper accepted to publication in the Proceedings of Symposium on Celebrating Minority Professionals in Forestry and Natural Resources Conservation.

Namwamba F. (2003). The role of Geographic Information Systems (GIS) and Remote Sensing (RS) in Urban Forestry Education at Southern University. Paper accepted to publication in the Proceedings of Symposium on Celebrating Minority Professionals in Forestry and Natural Resources Conservation.

### **Non-Refereed Publications**

Lyles, L., and Namwamba, F. (2003). GIS-GLOBE training model for K-12 teachers. Paper accepted for publication in the 2003 ESRI proceedings.

Namwamba, F. (2003). Technology and Kenya. Paper published in the proceedings of the 2003 Kenya Community Abroad Conference (<http://www.kenyansabroad.org/AGM2003/speeches>).

### **Technical Manuals**

Wells, A., Namwamba, F., and Abdollahi, K. (2003). Urban Forest Management Plan for the Burden Center. Baton Rouge, LA.

Namwamba, F., Qi, Y., Tuma, J., and Zhang, J. (2003). Bayou Bodcau Dam and Reservoir: Natural Resources Management Plan. Submitted to US Army Corps of Engineers, Vicksburg District.

### **Abstracts**

Namwamba, F. and M. Kirk. (2003). Development of East-Baton Rouge ARCVIEW GIS Landuse Database. Abstract published in conference proceedings if the 13<sup>th</sup> Biennial ARD Conference, Washington DC.

Namwamba, F. and Q. Li. (2003). Development of an Urban Stormwater Runoff Model Graphic User Interface. Abstract published in conference proceedings if the 13<sup>th</sup> Biennial ARD Conference, Washington DC.

Namwamba, F. and T. McCoy. (2003). Application of GIS in Resolving Neighborhood Environmental Inequity Issues. Abstract published in conference proceedings if the 13<sup>th</sup> Biennial ARD Conference, Washington DC.

Namwamba, F., J. Tuma and Y. Qi. (2003). Bayou Bodcau Natural Resources Management Plan. Abstract published in conference proceedings of the 13<sup>th</sup> Biennial ARD Conference, Washington DC.

Zhang, J., Qi, Y., and Namwamba F. (2003). Analysis of vistor survey andm futuristic plans for Bayou Bodcau recreational areas. Abstract published in conference proceedings if the 13<sup>th</sup> Biennial ARD

Conference, Washington DC.

Collins, D. J., Abdollahi, K. , Ning, Z., Namwamba, F. L. \*, Qi, Y, and Stone, R. (2003). Encouraging Minorities to Enroll and Graduate in Urban Forestry and Related Disciplines at Southern University. Abstract published in the Book of Abstracts of “Celebrating Minority Professionals in Forestry and Natural Resources Conservation: A symposium to Honor the Tenth Anniversary of a 2+2 Joint Degree Program. Florida A&M University. September 17-20, 2002. Tallahassee, FL.

Namwamba F. (2003). Application of technology to sustain development in 21<sup>st</sup> Century Kenya. Abstract published in proceedings of the 4<sup>th</sup> KCA Conference. (<http://www.kenyansaborad.org/agm2003/abstracts>)

### **Presentations**

Namwamba, F. and M. Kirk. (2003). Development of East-Baton Rouge ARCVIEW GIS Landuse Database. Oral presentation at the 13<sup>th</sup> Biennial ARD Conference, Washington DC.

Namwamba, F. and Q. Li. (2003). Development of an Urban Stormwater Runoff Model Graphic User Interface. Oral presentation at the 13<sup>th</sup> Biennial ARD Conference, Washington DC.

Namwamba, F. and T. McCoy. (2003). Application of GIS in Resolving Neighborhood Environmental Inequity Issues. Poster presented at the 13<sup>th</sup> Biennial ARD Conference, Washington DC.

Namwamba, F., J. Tuma and Y. Qi. (2003). Bayou Bodcau Natural Resources Management Plan. Poster presented at the 13<sup>th</sup> Biennial ARD Conference, Washington DC.

Zhang, J., Qi, Y., and Namwamba F. (2003). Analysis of visitor survey and futuristic plans for Bayou Bodcau recreational areas. Poster presented at the 13<sup>th</sup> Biennial ARD Conference, Washington DC.

Namwamba, F. L. (2003). GIS Applications in Sustainable Agriculture-International Experience and Vision. Presentation at the Workshop to Increase Involvement of 1890 and 1994 Landgrant College and University Professors in USDA’s International Technical Assistance Activities, January 27-31, Washington DC.

Namwamba F. (2003). Application of technology to sustain development in 21<sup>st</sup> Century Kenya. Presentation at the 4<sup>th</sup> KCA Conference. (<http://www.kenyansaborad.org/agm2003/abstracts>)

### **Consultant Service:**

US Department of Agriculture – Conducted an Assessment Mission to Eritrea, Africa to provide recommendations to USDA on possible project activities concerning Natural Resource Management. July-August 2003

**Attendance at professional meetings –**

ESRI Educational Users Conference, July 8 – 9, 2003.

Thirteenth Biennial ARD Symposium, Washington DC. April 20 – 23, 2003

Workshop to Increase Involvement of 1890 and 1994 Land-Grant College and University Professors in USDA's International Technical Assistance Activities. January 27-31, 2003, Washington, DC.

### **Other Research Activities**

<b>Title</b>	<b>Agency</b>	<b>Date</b>	<b>Support Funds</b>
<b>A GIS-RS Supported NPS- Management Information System for Urban Agriculture</b>	<b>USDA-CSREES</b>	<b>May 1, 2003 – April 19, 2007</b>	<b>Variable Annually</b>
<b>National Urban and Community Forestry Minority Outreach and Education Conference</b>	<b>FORD Foundation</b>	<b>December 30, 2001 – December 30, 2003</b>	<b>\$50,000</b>
<b>Urban Forestry Tree Inventory and Health Assessment for the City of Gulfport</b>	<b>Gulfport Chamber of Commerce</b>	<b>December 20, 2001 – August 20, 2002</b>	<b>\$25,000</b>
<b>Developing Operational Management Plan for Bayou Bodcau, LA</b>	<b>US Army Corps of Engineers</b>	<b>January 1, 2001 – April 2003</b>	<b>\$70,410</b>

### **Community Service – Member of Government Authority**

Louisiana Ground Water Management Task Force Member – 2003 – Present

Louisiana Ground Water Management Commission as Engineer/Geologist Member – 2001 – 2003

Louisiana Ground Water Management Task Force Member– 2001 – 2003

### **Community Service – Charitable Activities**

Baton Rouge Green – Technical Assistance with GIS – April 2003

GIS Training for Lee High School Teachers, in collaboration with Baton Rouge Green, , March 28, 2003.



BAYOU summer program – participated every summer from 2000 – 2003.  
Urban Forestry Summer Institute – Every year from 2000 – 2003.  
Berean SDA Academy – Presentation to students, September 27, 2003.

### **Advisement**

Has advised 45 students

Has chaired 6 masters thesis committees

Has served on 14 graduate committees

Received the *Teaching Excellence Award* for the College of Agricultural, Family and Consumer Sciences in 2003.