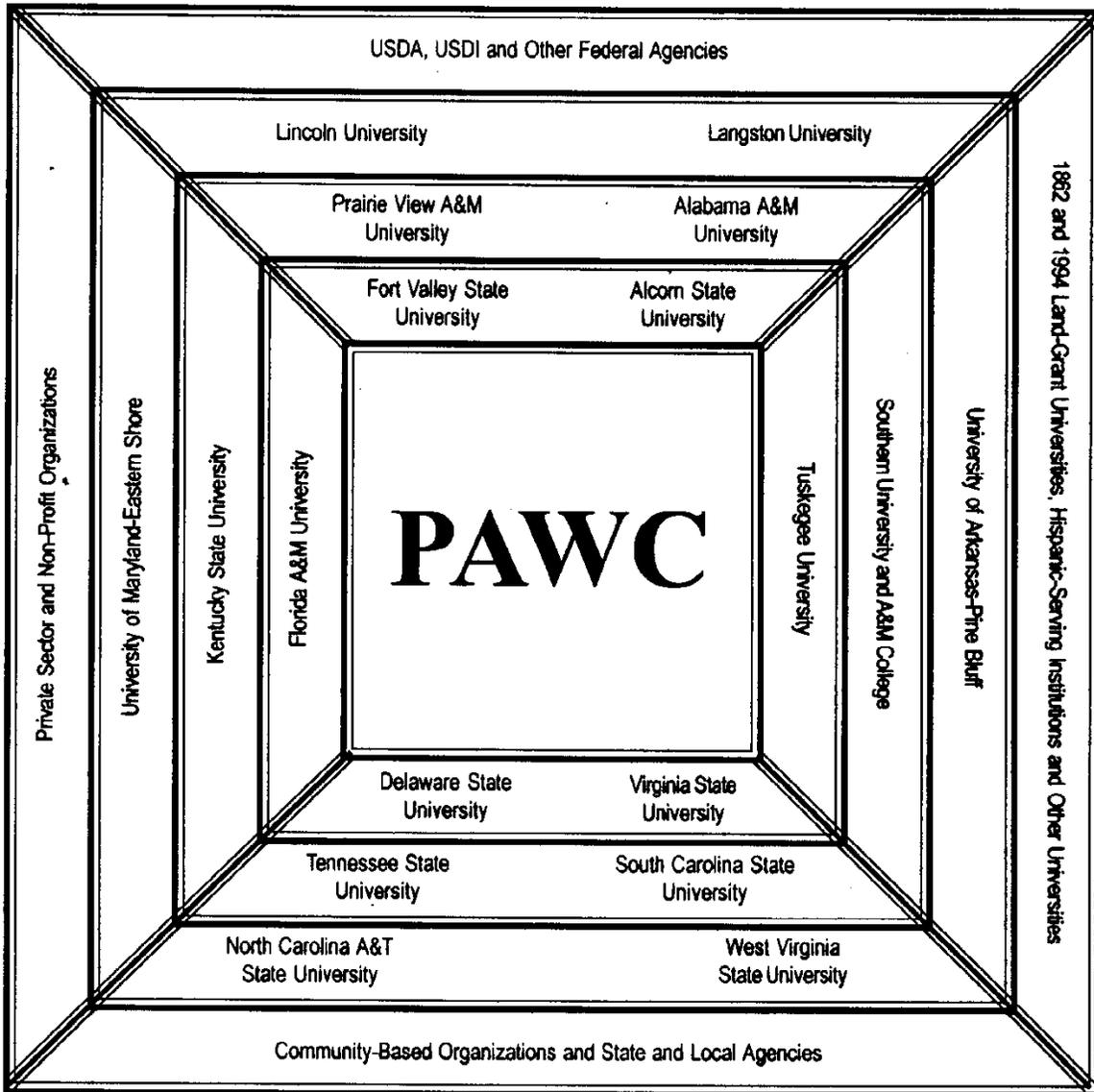


**THE 68th ANNUAL
PROFESSIONAL AGRICULTURAL WORKERS CONFERENCE**



THEME:

**EMPOWERING UNDERSERVED FARMERS AND RURAL COMMUNITIES BY CHANGING
LEGISLATION, USDA ELIGIBILITY REQUIREMENTS, AND PROGRAM DELIVERY**

DECEMBER 5-7, 2010

THE KELLOGG HOTEL AND CONFERENCE CENTER AT TUSKEGEE UNIVERSITY

PRECONFERENCE MEETINGS AND ACTIVITIES
The Kellogg Conference Center at Tuskegee University

FRIDAY, DECEMBER 3

9:00 am – 5:00 pm **TUSKEGEE UNIVERSITY FORESTRY AND NATURAL RESOURCES
ADVISORY COUNCIL**
The Kellogg Hotel and Conference Center

Chair: Deidre Smith, USDA/Forest Service Liaison, *Tuskegee University*

SATURDAY, DECEMBER 4

9:00 am – 12:00 pm **TUSKEGEE UNIVERSITY FORESTRY AND NATURAL RESOURCES
ADVISORY COUNCIL, continued**

SUNDAY, DECEMBER 5

9:00 am – 11:00 am **CHURCH SERVICE**
The Tuskegee University Chapel

1:00 pm – 4:00 pm **EXHIBIT AND PROFESSIONAL POSTER SET UP**

2:00 pm – 5:30 pm **PAWC REGISTRATION**

2:00 pm – 5:30 pm **GAMMA SIGMA DELTA UNDERGRADUATE AND
GRADUATE STUDENT PAPER AND POSTER COMPETITION**
Meeting Rooms D & E—Undergraduate Competition
Meeting Rooms F & G—Graduate Competition

2:00 pm – 5:30 pm **SMALL FARM LEADERSHIP INSTITUTE WORKSHOP—SOUTHERN
UNIVERSITY**
Ballroom A

3:00 pm – 6:00 pm **STUDENT INTERVIEWS AND CAREER OPPORTUNITIES—USDA AGENCIES**
Ballroom C

3:00 pm **TOUR OF TUSKEGEE CAMPUS—Meet in Lobby**

4:00 pm **FACILITATOR ORIENTATION—Meeting Room A**

5:30 pm **STUDENT RECEPTION—Atrium**
Sponsored by USDA—APHIS

6:30 pm **TUSKEGEE UNIVERSITY CHRISTMAS CHOIR CONCERT**
The Tuskegee University Chapel

8:30 pm **MEET THE PARTICIPANTS—President's Reception**
The Ballroom

12:00 pm **POSTER SESSION, EXHIBITS, and DISPLAYS** *The Foyer*

12:00 pm – 1:30 pm **L. A. POTTS LUNCHEON, KEYNOTE ADDRESS AND SUCCESS STORIES**
The Ballroom

Presiding: Deidre Smith, USDA/ Forest Service Liaison, Tuskegee University

Invocation:

SUCCESS STORIES

Iowa State University
Annie's Project: Education For Women
by Ruth Hambleton

Winston County Self Help Cooperative
Know your Farmer, Know Your Food
by Frank Taylor

Tuskegee University Cooperative Extension Program
XXXXXXXXXXXXXXXXXXXX
by

J-14 Agricultural Enterprises, Kansas City, KS
Camp CARVER (City Agricultural Resourceful Visionaries Entering Real-Life)
by John F. Drew

2:00 pm – 3:30 pm **Part III: Recommendations for Legislation, USDA Eligibility Requirements, and Program Delivery** *The Auditorium*

3:30 pm – 4:00 pm **BREAK** *Break Lounge*

4:00 pm – 5:30 pm **CONCURRENT WORKSHOPS (WK) AND PAPER PRESENTATIONS (PP)**

PP1: Success Story Breakout Session *Meeting Room A*

WK1: Strengthening Partnerships with USDA *Meeting Rooms F & G*

Moderator: Nelson Daniels, Prairie View A & M University

Presenters:

- Rhonda Benton, Rhema Ranch
Strengthening Relationships with USDA, Farmers, Ranchers and Rural and Urban Communities by Understanding the Process...A Conversation Continued
- Marie Campos, Native Hispanic Institute
Forging a USDA Path Out of Poverty
- D. Chongo Mundende, Langston University
The Voiceless Majority: Empowering Underserved Producers to Get Their Voice
- Gwendolyn J. Johnson, Tuskegee University
Housing Issues in Rural West Alabama: How USDA Can Assist in Alleviating This Problem

WK2: USDA Programs

Meeting Rooms D & E

Moderator:

Presenters:

- Vickie Lane, USDA/Alabama FSA State Office
Producer and Program Eligibility Requirement and Relevance to FSA Disaster Assistance Programs
- Mary Ahearn, USDA/Economic Research Service
New Directions in the 2008 Farm Bill and Diversity in U.S. Agriculture
- Andy Mason, USDA/National Agroforestry Center
Agroforestry: Income Opportunities for Farmers and Woodland Owners

WK3:

Meeting Room B

Moderator:

Presenters:

- Paul Reeves, UPEPO Energy Group
Renewable Energy Development
- Candiss Williams, USDA/ARS, Tifton, GA
Modeling for Conservation Practices
- Mieko Thompson, University of Tennessee, Knoxville
Biochar Influence on Soil Microorganisms
- Wang Yong, Zachary Senwo, Xiongwen Chen and Robert Taylor, Alabama A&M University
Strengthening Minority Global Perspectives in Agricultural Research and Education

5:30 pm – 6:30 pm

NETWORKING AND SPECIAL MEETINGS

6:30 pm

**SIXTEENTH ANNUAL MANRRS – TUSKEGEE UNIVERSITY
G. W. CARVER CHAPTER STUDENT AWARDS DINNER**

The Ballroom

Presiding:

Speaker: Earl Yates, Africa Regional Director, Peace Corps, Retired

Recognitions: MANRRS Chapter of the Year 2010

Sponsor: Perdue Farms

12:30 pm – 2:00 pm

THE KAREN JOHNSON MEMORIAL LUNCHEON AND LECTURE
Kentucky State University

The Ballroom

Presiding:

Invocation: Ramble Ankumah, *Head, Department of Agriculture and Environmental Sciences, Tuskegee University*

Guest Speaker: Secretary of Agriculture, Tom Vilsack (invited)

Lecture: Marion Simon, State Specialist for Small Farm and Part-Time Farmers, Cooperative Extension Program, Kentucky State University

2:00 pm – 3:30 pm

CONCURRENT WORKSHOPS (WK) AND PAPER PRESENTATIONS (PP)

PP1: Empowering Small Farmers through Marketing and Financial Planning

Meeting Rooms D & E

Moderator: Ray McKinnie, North Carolina A & T University

Presenters:

- Elizabeth B. Myles, Mississippi Small Farm Development Center
Entering Commercial Markets
- John O’Sullivan, North Carolina A&T State University
Rebuilding Local Food Systems in North Carolina
- Jason Johnson, Texas AgriLife Extension Service, Tim Eggers, Iowa State University and Bob Wells
Investing for Farm Families: Empowering Families to Make Better Financial Decisions
- Albert Myles and Rachael Carter, Mississippi State University
Planning a Rural Grocery Cooperative in the Mississippi Delta
- Jerome Brown, USDA NRCS, RC & D
Georgia New State-Wide EBT-Farmers Marker Program

PP2: Alternative Production for Small Farmers

Meeting Rooms F & G

Moderator:

Presenters:

- Drew Jillian Agnew, Tuskegee University
Organics and the Importance of Organic Farming
- LaShunda Anderson, Patrick Igbokwe, Joseph Jackson, and Wanda Millis, Alcorn State University
A Potential Alternative Income for Underserved Farmers: Shiitake Mushroom Production

- Rick L. Holness, Patrica Perez, Grace Summers, and Keith Baldwin, North Carolina A&T State University Cooperative Extension Program.
Grafting of Heirloom Tomatoes to Promote Yield and Enhance Local Food Production
- Gregory Glover, The University of Georgia Cooperative Extension System
Sustainable Small Scale Hydroponic Row Cropping of Georgia Collard Greens and Nile Tilapia
- Jamie Flood and Michelle Worosz, Auburn University
Satsuma Mandarin Industry in Southern Alabama: Looking for Historical Indicators for Today's Market

PP3:

Meeting Room A

Moderator:

Presenters:

- Antionette Knox, Tuskegee University and Lynetta Freeman, Purdue University School of Veterinary Medicine
A Potential Model for the Prevention of Hypertrophic Scar
- Casey Graves, Emily Rodamaker, Chad O’Gorman, and Kevin Wells
Construction and Assembly of a Set of Reporter Genes
- James E. Golden, Kiho Lee and Zoltan Machaty
Developing new methods for parthenogenetic activation of pig oocytes

PP4: Planning Successful Programs

Meeting Room B

Moderator:

Presenters:

- Marion Simon, Kentucky State *The Third Thursday Third Thing: Guiding sustainable Agriculture in Kentucky* University
- Gina Beckles, *Five Types of Questions Asked During a Program Evaluation*
- Laurence Crane, National Crop Insurance Services
Crop Insurance Overview: What's New for 2011
- Michelle Eley, North Carolina A&T State University, Cooperative Extension Program
Building Agricultural Capacity of Hmong Farmers in North Carolina
- Tim Eggers, Ruth Hambleton, Bob Wells, and Madeline Schultz
Empowering Underserved Audiences with Education

- Samuel Craig Little John, South Carolina State University
Radio Frequency Identification Technology Usage For The Increased Security of South Carolina Produce
”

3:30 pm – 4:00 pm

BREAK: *Healthy*

Break Lounge

4:00 pm – 5:30 pm

CONCURRENT WORKSHOPS (WK) AND PAPER PRESENTATIONS (PP)

PP5:

Meeting Rooms D & E

Moderator:

Presenters:

PP6:

Meeting Rooms F & G

Moderator:

Presenters:

- Jebaraj Asirvatham, University of Illinois at Urbana-Champaign
Examining Diet Quality and Body Mass Index in Rural Areas in Quantile Regression Regression Framework over a 10-year Period
- Marikis N. Alvarez, Arnold dorsett, Philip Miller, Inter-American Institute for Cooperation on Agriculture
Revitalizing the Agricultural Sector in the Bahamas and its Potential for Agro-tourism
- William Bowser and Carl Nelson, University of Illinois Urbana-Champaign
Institutions, Investments, and Income Diversifications: Pathways to Economic Developments for Brazil’s Quilombo Communities
- Nur Raudah Rahman and Jon C. Phillips, Jon C. Phillips, Cal Poly Pomona University
Productivity of International Outsourcing : Halal Broiler Industry in Malaysia

PP7: Rural Development

Meeting Room

Moderator:

Presenters:

- Mohammed Ibrahim and Benjamin Onyango, Fort Valley State University
Students’ perceptions of genetically modified food products risks: Evidence from Fort Valley State University
- Christopher Mathis, Jr. and Shobha Choudhari, South Carolina State University

Assessment of the Hispanic Participation in the Free School Lunch Programs of South Carolina over the Period of Four Years (2000-2—3)

WK5: Learning Math, Science and Agriculture—Challenges and Outcomes in Black Belt Counties, Tuskegee University

Meeting Room B

Moderator: Carol Zippert, Tuskegee University

Presenters:

- Jacqueline McArthur, Walter Hill, Guy Trammel and Carlton Morris: *Gardening with Youth as a Means of Developing Science, Work and Life Skills*
- Juanita Pierce and James Sanders, Tuskegee University
K-6 Science Camp
- Chanci Williams Coleman, Eagles Landings High School
High School Agriculture Science Programs in Southeast Georgia
- Ashley Rose, Walter Hill, and William Leonard, Tuskegee University
Student Response to Nature and Science through Art
- Victor Brown, Michelle McKee, and Walter Hill, Tuskegee University
AgriTrek/SciTrek 2005-2010
- Jill Hill, Elaine Bromfield and Carolyn Sippial, Tuskegee University
Facilitating Undergraduate Student Learning in College Algebra
- Carlton Morris, Walter Hill, Qazi Mohammed, Dennis Linkins, and Melvin Gaston Tuskegee University
NSF – Noyce Science and Math Teacher Scholars for Alabama Black Belt

WK6: International Programs

Meeting Room A

Chair: Eloise Carter, Director Office of International Programs

Presiding: Dr. Catherine Watkins, Human Resources, USDA/FAS/OICD

Presenters:

- Deborah Campbell, Dbyard International, LLC
African Woman Agribusiness Network, AWAN: A continent wide group of women who have come together as one organization to support business opportunities for women in Africa
- Romaine Williams, Office of Food for Peace and Famine Early Warning System Network (FEWS NET)
Role and Scope of Food for Peace and FEWS NET in Providing Disaster Assistance in a Time of Crisis

- Christi Copeland, University of Missouri
Management of Selected International Projects at the University of Missouri
- Edward Mabaya, Stellenbosch University
Factors Influencing Agriculture and Agribusiness Development in Africa
- Thulasizwe Mkhabetta, Stellenbosch University
Trouble in the Land of Plenty: Food (In) Security and Productivity Gains in South African Agriculture
- Yoliswa Hlanganise, Stellenbosch University
Impact of In-field Rainwater Harvesting Technology on Household Food Security
- Gwako M. Sefoko, Stellenbosch University
Transformation in the South African Agricultural Sector

5:30 pm – 6:30 pm

NETWORKING AND SPECIAL MEETINGS

Meeting Room A

6:30 pm

**GEORGE WASHINGTON CARVER PUBLIC SERVICE
HALL OF FAME AWARDS BANQUET AND LECTURE**
The Ballroom

Presiding:

Musical Selection: Kathryn Hill, *Mezzo Soprano, USDA Office of Communications*

Invocation: William Lennard, *College of Agricultural, Environmental and Natural Sciences, Tuskegee University*

Special Presentation

Introduction of Speaker:

Gilbert L. Rochon, *President, Tuskegee University*

Speaker: Owusu Bandele, Professor (ret.) Horticulture and Organic Agriculture, Southern University, Louisiana

Induction in the Hall of Fame

By

Presentation of Student Competition Awards

Graduate Poster Presentations

Undergraduate Poster Presentations

Graduate Oral Presentations

Undergraduate Oral Presentations

Professional Poster Presentations

Leonard Githinji, Ramble Ankumah, and Raymon Shange, Tuskegee University
The Influence of Biochar on Physical and Hydraulic Properties of Soil

PAWC VISION AND MISSION STATEMENTS

VISION

The Professional Agricultural Workers Conference (PAWC) is a forum committed to a world that values and promotes equal opportunity and equitable access to information and technology for sustainable development of communities and natural resources.

MISSION

To enhance the skills and contributions of agricultural and related professionals (business, government, university and community professionals) involved in discovery, dissemination and use of emerging technologies, information, problem solving, policy formulation and strategy development for the advancement of people and communities.

GOALS/OBJECTIVES

- (1) Provide an annual forum for the exchange of cutting-edge knowledge and information
 - (2) Initiate and follow-up on programs and policy initiatives
 - (3) Provide information for public decision-makers and stakeholders
 - (4) Recognize and award those professionals who have made outstanding contributions to society
 - (5) Mentor and nurture future generations of professionals (agricultural and related sciences)
 - (6) Facilitate partnerships, collaborations, networking among corporations, individuals, groups, and organizations
 - (7) Foster professional development and life-long learning opportunities
 - (8) Foster an environment for institutional capacity building for people, organizations, and communities
-

SPONSORS

U. S. Department of Agriculture:

Economic Research Service; Natural Resources Conservation Service; Forest Service; Farm Service Agency; Agency for Plant and Animal Health Inspection Service; Risk Management Agency; Office of Civil Rights; Southern Rural Development Center; Southern SARE

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ACKNOWLEDGEMENTS

The 68th Professional Agricultural Workers Conference (PAWC) is grateful to the following organizations and individuals:

U. S. Department of Agriculture:

Economic Research Service; Natural Resources Conservation Service; Rural Cooperative-Business Service; Forest Service; Farm Service Agency; Agency for Plant and Animal Health Inspection Service; Foreign Agriculture Service/ICD; National Institute of Food and Agriculture; Risk Management Agency; Office of Civil Rights

United States Department of Interior/National Park Service

American Agricultural Economics Association (AAEA) Foundation and

Committee on Opportunities and Status of Blacks in Agricultural Economics (COSBAE)

Department of Agriculture and Industries, State of Alabama

1890 Land Grant Colleges and Universities

Association of Public and Land Grant Universities (APLU)

Southern University Law Center

Tuskegee University:

College of Agricultural, Environmental and Natural Sciences; Cooperative Extension Program; Center for Continuing Education; George Washington Carver Agricultural Experiment Station; Office of International Programs, Center for Minority Land and Community Security

COMMITTEES

Walter A. Hill, PAWC Chair

Advisory and Planning:

Paul Anderson, National Park Service

Alan Barefield, SRDC

Ntam Baharanyi, Tuskegee University

Sarah Bobrow-Williams, Bobrow-Williams Group, LLC

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Zelia Z. Wiley, Kansas State University

John Williams, USDA/APHIS-retired

Wyllin Wilson, Auburn, AL

Dreamal Worthen, Florida A&M

Robert Zabawa, Tuskegee University

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Savi Horne, Landloss Prevention Project, Durham, NC

Sandra Jones, Rural Community Development Consultant

Mortimer Neufville, NASULGC, Washington, DC

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MANRRS Student Dinner: O. Bolden-Tiller*, E. Bromfield

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Headquarters: Room 100 in Campbell Hall is the official conference headquarters. The telephone number is (334) 727-8157. The conference registration desk can be reached via (334) 727-3000. Select papers, posters and workshops presented at the conference will be considered for inclusion in the proceedings. Presenters should leave a diskette with the paper and two hard copies with the Program Coordinators. Papers in final form will still be considered for publication if sent postmarked by January 31, 2011 to 100 Campbell Hall, Tuskegee University, AL 36088.