

## RESEARCH

Gene Farmer has been actively involved in numerous research projects ranging from construction career awareness to hurricane shutter effectiveness research. In 1995 Mr. Farmer was in charge of developing and implementing the continuing education program for the Dade County Office of Building Code Compliance. This program was designed to provide 24 hours of continuing education to all 650 plus building officials, plans processors and inspectors operating in Dade County.

### FUNDED RESEARCH AND CONTINUING EDUCATION PROJECTS:

1. **Florida Department of Transportation District 6 Facilities Assessment Study**

Principal Investigators: Professor Gene Farmer, Baier, Caballero, Marin  
Funding Agency: Florida Department of Transportation  
Funded Amount: \$156,000.00  
Dates: 2011

2. **Development of Methods of Reducing Water intrusion and Mold in Buildings During Construction**

Principal Investigators: Professor Gene Farmer  
Funding Agency: Associated General Contractors of America  
Funded Amount: \$60,000.00  
Dates: 2003-2005

3. **Development of Installation Standards for Mobile Homes in Florida**

Principal Investigators: Professor Gene Farmer  
Professor Jack Dye  
Professor Sayed Ahmed  
Funding Agency: National Hurricane Center  
Funded Amount: \$0,000.00  
Dates: 2002

4. **Development of Consumer Awareness Bulletins**

Principal Investigator: Professor Gene Farmer  
Funding Agency: Building Construction Industry Advisory Committee  
Funded Amount: \$90,000.00  
Dates: 2001

5. **Field Validation of Shutter Vulnerability Function and Mitigation Effectiveness**

Principal Investigators: Professor Gene Farmer  
Professor Jose Mitrani  
Professor Ricardo Alvarez  
Funding Agency: Idaho National Engineering Lab  
Funded Amount: \$90,000.00  
Dates: 1999

6. **Construction 2000 Phase Two**

Principal Investigator: Professor Gene Farmer  
Funding Agency: Building Construction Industry Advisory Committee  
Funded Amount: \$16,000  
Dates: 1999

**7. Apprenticeship for a Better Tomorrow**

Principal Investigators: Professor Gene Farmer  
Professor Amaury Caballero  
Funding Agency: Miami Dade Public Schools  
Funded Amount: \$18,517  
Dates: 1998

**8. Development of a Career Awareness Program for the Electrical Industry.**

Principal Investigator: Professor Gene Farmer  
Funding Agency: National Electrical Foundation *ELECTRI 21*  
Funded Amount: \$18,000  
Dates: 1998

**9. Development of a Career Awareness Program for Students in the Eleventh and Twelfth Grades**

Principal Investigator: Professor Gene Farmer  
Funding Agency: Florida Building Industry Advisory Committee  
Funded Amount: \$16,000  
Dates: 1998

**10. Apprenticeship for a Better Tomorrow**

Principal Investigators: Professor Gene Farmer  
Professor Amaury Caballero  
Funding Agency: Miami Dade Public Schools  
Funded Amount: \$18,517  
Dates: 1997

**11. Dade County Building Code Official Continuing Education Program**

Principal Instructors: Professor Gene Farmer  
Professor Jose Mitrani  
Funding Agency: Dade County Office of Code Compliance  
Funded Amount: \$108,000  
Dates: 1995

**12. Construction Management Short Course**

Principal Instructors: Professor Henry Hillman  
Professor Gene Farmer  
Professor Ralph Johnson  
Funding Agency: State of Florida Department of Environmental Regulation  
Funded Amount: \$5,200.00  
Dates: June 1986

**UNFUNDED RESEARCH AND CONTINUING EDUCATION PROJECTS:**

**1. High School Technology Training Program**

Principal Investigator: Professor Gene Farmer  
Professor Jose Mitrani  
Professor Amaury Caballero  
Funding Agency: U.S. Government  
Funded Amount: \$1,212,550  
Dates: 1998

2. **Improving Teaching for Service Systems in Buildings**

Principal Investigators: Professor Gene Farmer  
Professor Jose Mitrani  
Professor Amaury Caballero  
Funding Agency: Florida International University  
Funded Amount: \$17,750  
Dates: 1998

3. **Building Code Enforcement: Scope and Extent of Problem and Recommendations for Solution.**

Principal Investigators: Professor Gene Farmer  
Professor Howard Shaw  
Funding Agency: Building Construction Industry Advisory Committee.  
Funding Requested: \$9,950.00  
Dates: June 1, 1990 thru May 31, 1991

4. **A Study to Determine Ways to Use Ground Rubber From Used Tires in Roofing Materials and Other Construction Products**

Principal Investigators: Professor Julio Otazo  
Professor Gene Farmer  
Professor Jose Mitrani  
Funding Agency: Building Construction Industry Advisory Committee.  
Funding Requested: \$48,828.00

5. **The Development of a Series of Television Commercials Warning Homeowners of the Dangers of Dealing with Unlicensed Construction Companies.**

Principal Investigator: Professor Gene Farmer  
Funding Agency: Building Construction Industry Advisory Committee  
Funding Requested: \$11,527.00  
Date: 1993

6. **A Study of the Integration of the Standard Building Code and the NFPA 101 Life Safety Code: Target Counties; Monroe and Palm Beach.**

Principal Investigators: Professor Gene Farmer  
Professor Gabe Auriolos  
Funding Agency: Building Construction Industry Advisory Committee.  
Funding Requested: \$20,686.00

7. **Procedures and Specifications for Determining a Net Square Footage**

Net to Gross Square Footage Ratio in Florida's Public Schools and Community Colleges.

Principal Investigators: Professor Wilson Barnes  
Professor Gene Farmer  
Funding Agency: State of Florida Department of Education  
Funding Requested: \$42,917.00

8. **Study to Determine the Feasibility of a Construction Industry Recovery Fund**

Principal Investigators: Professor Gene Farmer  
Professor Jose Mitrani

Funding Agency: Building Construction Industry Advisory Committee  
Funding Requested: \$9,945.00

9. **Preliminary Study of Building Code Enforcement**

Principal Investigators: Professor Gene Farmer  
Professor Howard Shaw

Funding Agency: Building Construction Industry Advisory Committee  
Funding Requested: \$9,950.00

10. **South Florida Community Design Center**

Principal Investigator: Professor Gene Farmer

Funding Agency: Florida Atlantic University, Florida International University

Funding Requested: \$7,000.00

Date: July 7, 1986

