

TEACHING INTERESTS

Structural design of buildings
Steel structures
Reinforced concrete structures
Professional practice of engineering

COURSES TAUGHT AT UNIVERSITY OF FLORIDA

(Through Fall 2006)

CES 3741	Introduction to Structural Design	(4 times)
CES 4605	Analysis and Design in Steel	(10 times)
CES 4608	Advanced Steel Design	(2 times)
CES 4702	Analysis and Design in Reinforced Concrete	(9 times)
CES 4704	Advanced Reinforced Concrete Design	(2 times)
CES 5606 *	Topics in Steel Design (Cold-Formed Steel Design)	(1 time)
CES 5606 *	Topics in Steel Design (Stability Design of Steel Frames)	(2 times)
CES 5726 *	Design of Concrete Systems	(2 times)
CGN 4910	Structures Comprehensive System Design	(2 times)
CGN 6905	Temporary Structures	(1 time)
EGN 4032	Professional Issues in Engineering	(2 times)
BCN 3431	Structures I (Steel and Timber)	(2 times)

* Denotes graduate level course

RESEARCH INTERESTS

Structural steel connections
Low-rise buildings
Metal building systems
Cold-formed steel structures
Building code and standard development
Historic structures

RESEARCH PROJECTS

2006	“Comparison of Stud Bridging Systems” Funding Agency - Clark Steel Framing Principal Investigator
2006	“Comparative Stiffness Testing of Steel Drywall Studs” Funding Agency - Clark Steel Framing Principal Investigator
2005	“Accumulation of Bracing Strength and Stiffness Demand in Steel Stud Walls” Funding Agency - Steel Stud Manufacturers Association Principal Investigator
2003-2004	“State-of-the-Art and Best Current Practices for Bracing of Cold-Formed Steel Elements and Structures” Funding Agency - American Society of Civil Engineers - Structural Engineering Institute Principal Investigator
2001- 2004	“Lateral-Torsional Bracing of Cold-Formed C-Sections” Funding Agencies - American Iron and Steel Institute and Steel Stud Manufacturers Association Co-Principal Investigator

- 2001 "Teaching Connection Design using the Steel Sculpture as a Toolkit"
Funding Agency - American Institute of Steel Construction
Co-Principal Investigator
- 2000 "Uplift Resistance of K-Series Open Web Steel Joist Seats"
Funding Agency - Vulcraft, Division of Nucor Corporation
Co-Principal Investigator