

DRAGOSLAV SIMIC

College of Architecture, Planning, and Design
Kansas State University

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EDUCATION

Master of Architecture, specializing in housing design and construction

University of Belgrade, Yugoslavia, 1980.

Bachelor of Architectural Engineering, five years professional degree

University of Sarajevo, Yugoslavia, 1975.

PROFESSIONAL LICENSE

Completion of licensing examination in Urbanism, Design and Civil Engineering - Structural Emphasis, Sarajevo, Yugoslavia, 1977.

ACADEMIC EXPERIENCE

08/99 to Present

Kansas State University – Manhattan, Kansas College of Architecture, Planning, and Design

ASSOCIATE PROFESSOR

Courses taught:

- ARCH 348, *Structural Systems in Architecture 1.*
- ARCH 449, *Structural Systems in Architecture 2.*
- ARCH 452, *Structural Systems in Architecture 3.*
- ARCH 453, *Structural Systems in Architecture 4.*
- ARCH 715, *Structural Systems in Architecture 5.*
- ARCH 302, *Architectural Design Studio 2 (fall semester 2000)*
- Computer labs for Structural Systems courses.
- Structural consultations for second, third, fourth, and fifth year architectural design studios.

08/98 to 08/99

Kansas State University – Manhattan, Kansas College of Architecture, Planning, and Design

VISITING ASSISTANT PROFESSOR

Courses taught:

- ARCH 452, *Structural Systems in Architecture 3.*
- ARCH 453, *Structural Systems in Architecture 4.*

12/75 to 09/92

University of Sarajevo, School of Architecture and Urbanism

ASSISTANT PROFESSOR

Courses taught:

- Static of Structures I (statics and the strength of materials; 1st and 2nd semester).*
- Static of Structures II (indeterminate systems; 3rd and 4th semester).*
- Static of Structures III (seismic structures; 5th and 6th semester in engineering department).*
- Structural Systems (5th semester in architecture department).*
- Reinforced Concrete Structures (5th and 6th semester in engineering department).*
- Timber and Steel Structures (7th and 8th semester in engineering department).*
- Concrete, Timber, and Steel Structures (6th and 7th semester in architecture department).*

PROFESSIONAL EXPERIENCE

- 06/98 to 08/98 **GNR Engineering, Inc., – Solana Beach, CA**
STRUCTURAL ENGINEER
Structural & seismic design and calculation on three building project, including commercial, public and residential facilities.
- 08/97 to 06/98 **West Coast Iron, Inc. – San Diego, CA**
PROJECT ESTIMATOR
Quantity & price estimation and bidding documents preparation for numerous building projects, including public, commercial and residential buildings.
- 04/94 to 11/96 **Final Projekt, Zagreb – Croatia**
CHIEF STRUCTURAL ENGINEER, ENGINEER CONSTRUCTION SUPERVISOR
Projects included civic, industrial, historical reconstruction buildings.
- 12/75 to 09/92 **Institute for Architecture and Urbanism at University of Sarajevo**
CHIEF STRUCTURAL ENGINEER & RESIDENT RESEARCH FELLOW
Structural & seismic design, analysis and calculations, construction documents and construction supervision for various building types, including educational, sports & recreational, commercial, industrial, high-rise residential structures and historical reconstruction.
- 08/77 to 09/78 **Grisly Construction Company, Abu Dhabi – UAE**
PROJECT ENGINEER
Structural calculation revision, and supervising construction and execution of 3 high-rise residential building.
- 10/66 to 12/75 **Institute for Architecture and Urbanism at University of Sarajevo**
ARCHITECTURAL INTERN
Working drawings and drafting

PROFESSIONAL SKILLS

- Structural and seismic design, analysis and calculation - all stages and phases for different building purposes and various materials such as reinforced concrete, steel, timber and masonry.
- Project estimating.
- Supervising architectural and structural design and drafting.
- Construction site supervision.
- Construction site superintendence.
- Equally skilled in metric and standard system.

LIST OF REPRESENTATIVE PROJECTS

COMMERCIAL BUILDINGS

- **Audi Commonwealth Auto House**, San Diego, CA (1998).
Two story building 45,000 ft² adaptation and addition.
Masonry walls, steel frames and wooden roof structure. Construction completed.
Structural engineer, structural & seismic calculation.
- **Hotel in Bihac**, Bosnia & Herzegovina (1989).
Five story building 5,800 m², reinforced concrete structure. Construction completed.
Chief structural engineer.
- **Office Building**, Zadar, Croatia (1988).
Six story building 10,000 m², reinforced concrete structure. Construction completed.
Team member structural engineer, structural & seismic design and calculation.
- **Hotel "TAT"**, Neum, Bosnia & Herzegovina (1988).
Five story building 3,200 m², reinforced concrete structure. Construction completed.
Chief structural engineer.
- **Hotel "Stella"**, Neum, Bosnia & Herzegovina (1987).
Five story building 3,600 m², reinforced concrete structure. Construction completed.
Chief Structural Engineer.
- **Office Building**, Sarajevo, Bosnia & Herzegovina (1986).
Two story building 3,500 m², steel frames and composite floors. Construction completed.
Chief structural engineer.
- **Motel in Bileca**, Bosnia & Herzegovina (1984).
Two story building 1,500 m². Reinforced concrete and wooden structure. Construction completed.
Chief structural engineer.
- **Hotel Stojcevac**, Sarajevo, Bosnia&Herzegovina (1984).
Two story building 800 m², wooden structure. Construction completed.
Chief structural engineer.
- **Motel in Lika**, Croatia (1982, Master Plan).
Three story building 2,600 m², reinforced concrete walls and floors, and wooden roof.
Chief structural engineer.
- **Hotel Slavija**, Kotor, Yugoslavia (1981).
Five story building 3,800 m², reinforced concrete structure. Construction completed.
Team member structural engineer, structural & seismic design and calculation.
- **Hotel "Jahorina"**, Sarajevo, Bosnia & Herzegovina (1983).
Eight story building 1,250 m², masonry and wooden structure. Construction completed.
Chief structural engineer.
- **Hotel "Kalin"**, Bugojno, Bosnia & Herzegovina (1983).
Seven story reinforced concrete building 7,500 m² with nuclear shelter. Construction completed.
Chief structural engineer.
- **Motel Vukosavci**, Vukosavci, Bosnia & Herzegovina (1976).
Two story building 1,200 m². Reinforced concrete and wooden structure. Construction completed.
Assistant engineer responsible for details and shop drawings.
- **Restaurant in Kupari**, Croatia (1976).
Three story building 1,600 m², reinforced concrete structure. Construction completed.
Assistant engineer responsible for details and shop drawings.

RESIDENTIAL BUILDINGS

- **Privat Residence in Solana Beach**, California (1998).
Two story building 5,800 ft², wooden structure. Construction completed.
Structural engineer, structural & seismic calculation.
- **Apartment Building in Sarajevo**, Bosnia&Herzegovina (1990).
Three story building 1,200 m², reinforced concrete structure. Construction completed.
Chief structural engineer.
- **Apartment Building in Han Pijesak**, Bosnia & Herzegovina (1990).
Five story building 2,400 m².
Reinforced concrete walls & floors and wooden roof structure. Construction completed.
Chief structural engineer.
- **Housing Complex in Foca**, Bosnia & Herzegovina (1989).
Apartment building "F-1", seven story building 3,200 m².
Apartment building "F-2", six story building 2,800 m².
Apartment building "F-3", seven story building 3,600 m².
Reinforced concrete structure. Construction completed.
Chief structural engineer.
- **Housing Complex "Vraca"**, Sarajevo, BH (1985).
Apartment building "J", eight story building 2,800 m² with nuclear shelter in the basement,.
Apartment building "K", seven story building 2,400 m².
Apartment building "L", seven story building 2,200 m².
Reinforced concrete structure. Construction completed.
Chief structural engineer.
- **Underground Parking Structure "Vraca"**, Sarajevo, Bosnia & Herzegovina (1985).
Single story building 3,000 m², reinforced concrete structure. Construction completed.
Chief structural engineer.
- **Housing Complex "Breka"**, Sarajevo, Bosnia & Herzegovina (1984).
Apartment Building "H-1", nine story building 4,800 m² with the nuclear shelter in the basement.
Apartment Building "H-2", eight story building 4,200 m².
Reinforced concrete structure. Construction completed.
Chief structural engineer.
- **Town House Residential Complex "Breka"**, Sarajevo, Bosnia & Herzegovina (1984).
"T-1", "T-2", "T-3", Three story apartment buildings, total area of 3,600 m². Construction completed.
Chief structural engineer.
- **Apartment Building in Vares**, Bosnia & Herzegovina (1983).
Seven story building 2,600 m², reinforced concrete structure. Construction completed.
Chief structural engineer.
- **Apartment Building "Dzidzikovac"**, Sarajevo, Bosnia & Herzegovina (1982).
Five story building 4,200 m², reinforced concrete structure. Construction completed.
Team member structural engineer, structural & seismic design and calculation.
- **Libyan Consulate in Sarajevo**, Bosnia & Herzegovina (1978).
Three story building 750 m², reinforced concrete and wooden structure. Construction completed.
Chief structural engineer.
- **Town House Residential Complex "Butmir"**, Sarajevo, Bosnia & Herzegovina (1980).
Three story buildings 3,600 m². Reinforced concrete and wooden structure. Construction completed.
Chief structural engineer.
- **Town House Residential Complex "Kosevo"**, Sarajevo, Bosnia & Herzegovina (1978).
Two story buildings 3,000 m². Reinforced concrete and wooden structure. Construction completed.
Chief structural engineer.

PUBLIC BUILDINGS

- **Seaton Hall, College of Architecture, Planning, and Design, Kansas State University, Manhattan, KS (2004)**
Reconstruction and renovation of 11,000 sq. ft. basement space, including four design studios, gallery, reception Hall and new commons area with a ceremonial stair and seating structure. Construction completed.
Responsibilities: Structural consultant and team coordinator; Structural design and calculation, construction drawings and construction site supervision.
- **Westminster Seminary Church, Westminster, Ca (1998).**
Revision and addition for two-story building project. Construction completed.
Masonry walls, steel frames and wooden roof structure.
Structural engineer, structural & seismic calculation.
- **Educational Center, Kakanj, Bosnia & Herzegovina (1983).**
Three story building 2,200 m², reinforced concrete structure. Construction completed.
Chief structural engineer.
- **City Hall Building, Sarajevo, Bosnia & Herzegovina (1981).**
Six story building 6,600 m², reinforced concrete structure. Construction completed.
Team member structural engineer, structural calculation and shop drawings.
- **Elementary School, Nova Gorica, Slovenia (1981).**
Two story building 1,800 m², steel frames, composite floor and roof structure.
Construction completed.
Team member structural engineer, structural calculation and shop drawings.
- **Monument on Makljen Mountain, Bosnia & Herzegovina (1977).**
The amorphous concrete form monument 15mx15mx12m. Construction completed.
Chief architect engineer, master plan project.
- **Memorial Museum, Vukosavci, Bosnia & Herzegovina (1976).**
Single story building 450 m², masonry walls and wooden roof structure. Construction completed.
Assistant engineer, master plan and detail drawings.

INDUSTRIAL BUILDINGS

- **Brewery in Zagreb, Zagreb, Croatia (1995).**
Reconstruction and addition of new product facilities for 2,300 m²,.
Single story reinforced concrete frame structure. Construction completed.
Team member structural engineer, structural calculation and shop drawings.
- **Furniture Factory, Bugojno Bosnia & Herzegovina (1977).**
Single story building 1,600 m², 30m hall span Glued-Laminated Frame Structure. Construction completed.
Assistant Engineer, structural calculation, details and shop drawings.

HISTORICAL RECONSTRUCTION AND PRESERVATION

- **Shopping Center "Priješka Carsija", Foca, Bosnia & Herzegovina (1989).**
Reconstruction on two story buildings, 1,000 m², from the early nineteenth century.
Stone walls and wooden floor & roof structure. Construction completed.
Chief structural engineer.
- **Shopping Center "Bas Carsija", Sarajevo, Bosnia & Herzegovina (1983).**
Reconstruction on two story buildings, 750 m², from the late eighteenth century.
Stone walls and wooden floor and roof structure. Construction completed.
Chief structural engineer.
- **National Theatre in Sarajevo, Sarajevo, Bosnia & Herzegovina (1982).**
Reconstruction and adaptation for three story building, 2,400 m², from nineteenth century.
Masonry walls and new composite floor structure. Construction completed.
Chief structural engineer.

INVITED LECTURES

“Basics of Foundation Design”

The Construction Specifications Institute, Wichita, KS, May 2000

“Computer applications in teaching structures in architecture”

- Kiev National University of Construction and Architecture, Kiev, Ukraine, March 2001
- Poltava State University, Poltava, Ukraine, March 2001

PAPERS

D. Simic and M. Simon, **“Making the Connections: A Collaborative Model for Teaching Structures in Architectural Design Studio”**,

2002 Western Region ACSA Conference, San Luis Obispo, CA, November 2002.

D. Simic, **“Architects and Structures: How much structure is (not) enough for an architect?”**

ISEC-02 Second International Congress of Structural Engineering and Construction, Roma, Italy, September 2003, paper accepted and published in the conference proceedings.

M. Simon and D. Simic, **“Bridge, Blob, Boxes in a Box: weaving tectonic thinking into the desk crit”**, ACSA “Central” Regional Conference, Muncie, IN, October 24-26.