

STEPHEN E COURTNEY
PRINCIPAL, AIA, NCARB, LEED AP

As a Founding Principal of the firm, Mr. Courtney provides design management for the Firm’s institutional clients in the pure and applied sciences. His studied focus on emerging technologies in medical diagnostic and treatment modalities such as Proton Therapy is invaluable in advancing forward-looking design for the Firm’s Clients. During his 33-year architectural career, he has been involved in the design of medical, research and academic facilities both in the United States and abroad, private and public. He has successfully programmed and delivered millions of square feet of complex facilities. Prior to the creation of the SCI.X Science Studio, Mr. Courtney served as a Vice President in the RTKL DC Health + Science Practice Group, and prior to RTKL, as Director of Operations at Tsoi / Kobus & Associates.



Bachelor of Arts, University of Arkansas
Bachelor of Architecture, University of Arkansas

Education

NCARB	Oct 83, file # 34385; certificate # 29145
California	Dec 82 # C 013319
Tennessee	Mar 84 #016722
Connecticut	Nov 86 # 6683
Massachusetts	Oct 89 #8065 (30185)
LEED AP	Aug 04
New York	Oct 10 #034423
New Jersey	July 11 #21AI 01883100
Rhode Island	July 11 #3844

Registration

Member of the Advisory Board for the Guangdong Hengjian Healthcare Co., Ltd.
Guangdong, China

Professional Affiliation

McLaren Proton Therapy Center, Flint, MI

Project is currently in progress

Proton Therapy Design Consultant

A partnership between McLaren Health Care and ProTom International, the new McLaren Proton Therapy Center at the Great Lakes Cancer Institute will become the first proton therapy center in Michigan. Using ProTom’s Radiance 330 system, this facility combines advanced treatment capabilities in a lower-cost solution. McLaren expects the total cost for the center will be approximately \$50 million, a significant reduction from the originally anticipated \$168-million. SCI.X is teamed with RTKL as Design Consultant & the Smith Group as Architect of Record, all working through Barton Malow Christiansen in a design-build delivery model.

Proton Therapy Experience

SCI.X Science Studio, LLC, is a young firm with 2009 being its 1st year in business. The experience, however, of the Principals and staff goes back much farther. This is a representative selection of some of Mr. Courtney’s work at S/L/A/M, Tsoi Kobus and RTKL, prior to founding SCI.X Science Studio, LLC.

Proton Therapy Cont'd**Various Proton Therapy Facilities, Locations throughout the U.S.**

As Director of Operations of his firm, Steve oversaw contracts and operational issues relative to the firm's extensive proton therapy projects throughout the U.S. including:

- Proton Therapy Institute
New 99,000 GSF proton therapy facility at the University of Florida and Shands Jacksonville Medical Center, Jacksonville FL
- ProCure Proton Therapy Treatment Centers: New Proton Therapy Centers in
Oklahoma City, OK , (55,000 SF);
Beaumont, MI (60,000 SF)
Warrenville, IL (60,000 SF)
- Roberts Proton Therapy Center, New 75,000 SF cancer treatment center at the University of Pennsylvania, PA

Healthcare Projects**Duke University Medical Center Cancer Facilities, Durham, NC**

Director of Operations/Project Manager

While DOO of his firm, Steve took on the early stage PM role for Duke's 265,000sf cancer center expansion that consolidated Duke's comprehensive outpatient cancer services and research facilities. LEED Silver

Methodist University Hospital, Central Hospital Renovations, Memphis, TN

On-site Project Manager

\$47M tertiary Patient Tower, MRI and Employee Cafeteria addition to the flagship Methodist Healthcare facility. A new Central Plant and Heliport was developed on the site.

Methodist South Hospital, Additions & Renovations, Memphis, TN

On-site Project Manager

Renovations to accommodate new mobile CT Scan bay, new radiology department and an expansion for a new 24 bed facility.

Methodist South Ambulatory Surgery Facility, Memphis, TN

On-site Project Manager

Renovations for OR suite and a 10 bed outpatient facility

Methodist Hospital of Somerville Renovations, Somerville, TN

Principal/Designer/PM

Renovations to upgrade public areas and patient corridors to Methodist Health System Standards. Completed with design/build delivery.

Methodist Hospital of Middle TN Renovations, Winchester, TN

Principal/Designer/PM

Project program was to upgrade the public areas and patient corridors to Methodist Health System Standards as well as the addition of a Chapel. Completed with design/build delivery.

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Healthcare Projects

Methodist Hospital North LDR Unit, Memphis, TN

Programmer/Planner

Provided Methodist Health Systems Alternative Schemes for development of an LDR at its North Campus Facility.

Outreach Chemical Dependency Unit, Memphis, TN

On-site Project Manager

This adaptive reuse project converted a Historically Significant structure into a 24-bed Chemical dependency unit for Methodist Health Systems.

Biloxi Regional Medical Center Renovations, Biloxi, MS

Construction Administrator

Ambulatory Surgery Unit and upgrades to Methodist Health Systems standards.

UMASS Medical Center – Clinical Practice / Geriatrics, Worcester, MA

Executive Architect/Project Manager

Project involved relocation and combining of two departments into a single area cross utilizing associated treatment, exam and consultation areas. Includes a new 8 bay infusion suite and a medical records satellite.

UMASS Medical Center – Orthopedic Department, Worcester, MA

Executive Architect/PM

Project was to provide an office and operating suite for the new Orthopedics team.

UMASS Memorial Medical Center – Health Information Systems, Worcester, MA

Executive Architect/Project Manager/Concept Designer/Tenant Representative

Project involved relocation and combining of the Memorial and University campus' medical records departments into a 30,000 + SF off-site facility. Ron Margulies was the Architect of Record.

Lexington Health Care Center – PT/OT Renovations, Lexington, MA

Principal/PM

Project involved Department of Public Health documentation for upgrading the Revere Unit, relocating various functions to make a much larger PT/OT facility.

Cedar Hill Health Care Center – PT/OT Renovations, Randolph, MA

Principal/PM

Project involved study of the entire complex for DPH renovation documentation necessary to accommodate various functional relocations

Brigham and Women's Hospital – ED Dental Suites , Boston, MA

Executive Architect/PM/Concept Designer

Replacement facility involving gut renovations to house 3 treatment rooms, 1 set up for oral surgery and related support spaces for Emergency Dept support.

Healthcare Projects

Health Bridge Management – Long Term Care Facility Assessment, East Boston, MA

Executive Architect/PM

Building evaluation and reuse study of closed Long Term Care facility.

Veterans Administration, Medical Center, Las Vegas, NV

Vice President-In-Charge

Managed the construction start-up period of a \$395M, 300,000 SF, 160-acre greenfield inpatient and ambulatory facility in cooperation with RTKL's JV partner firm JMA.

Brigham and Women's Hospital - Family Planning, Boston, MA

Executive Architect/Designer/Project Manager

A 3400 SF Fertility/Family Planning unit encompassing two large procedure rooms, a 4 bay recovery suite and related support areas. Project phased for continuous operations, maintaining and enhancing security provisions.

Brigham and Women's Hospital – On Call Suite, Boston, MA

Executive Architect/PM/Concept Designer

Relocation of the Hospital's primary on-call physician suite (24 private sleeping rooms and related support areas) to a portion of the existing campus known as Tower Level 4, Pod "D." Finish level was relatively high for physician recruitment purposes.

Brigham and Women's Hospital – Pfeiffer Lab, Boston, MA

Executive Architect/PM

Renovation of the Dr. Pfeiffer dry labs and related offices.

Brigham and Women's Hospital – Cardiology Department Relocation, Boston, MA

Executive Architect/PM

Project involved the reluctant relocation of the extensive Cardiology Department offices within a very short time frame.

Brigham and Women's Hospital & Faulkner Hospital, IVF Lab + OR

Relocation Study, Brookline, MA

Executive Architect/Project Manager

Project studied the structural capabilities of existing wings of Faulkner to accommodate additional stories as well as programming and conceptual layout of a consolidated IVF lab, treatment and ORs relocating from the BWH main campus.

Brigham and Women's Hospital – Emergency Dept Renovations, Boston, MA

Executive Architect/Concept Designer

Master planning for upgrades of the entire ED as well as the first phase implementation of the main entry, reception areas. Redesign of reception area added a new triage area.

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Alcohol and Drug Recovery Center's Coventry House, Hartford, CT

Principal/Designer/PM with Jack Dollard

Adaptive reuse of a previous City dental facility into a 12-bed home for pregnant women and their children with chemical abuse history.

Healthcare Projects

City of Hartford Alcohol and Drug Recovery Center's Daley Station, Hartford, CT

Principal/Designer/PM

Adaptive reuse of a previous City masonry structure into a multi-service center in support of men with chemical abuse histories.

Alcohol and Drug Recovery Center's Alternative Living Center, Hartford, CT

Principal/Designer

Project consisted of various renovations over time for code, patient room and common amenities

Santa Rosa Memorial Hospital Addition + Renovations, Santa Rosa, CA

Construction Administrator

- \$23M Patient Wing and related renovations.
- \$13M Emergency Department

Harvard University, Faculty of Arts and Sciences,

Various Physics Department Projects, Cambridge, MA

Studio Leader/Project Executive

Projects included major renovations in the Lyman and Jefferson Halls including build-outs of both attic spaces and ongoing renovations to faculty offices, teaching spaces, administration and the lecture hall - all over a 3 year period.

Academic Projects

Harvard Medical School's NRB, Loscalzo Labs for Brigham and Women's Hospital, Boston, MA

Project Manager/Concept Design

Project involved a short time period major renovation to accommodate the new Chief of Medicine and his related lab facilities on two floors of Harvard's New Research Building.

UMASS Amherst - New Auditorium Project - Amherst, MA

Programmer/Project Manager

Project extensively programmed, utilizing in part, online survey technologies endeavoring to create the universally adaptable 500 seat auditorium. Extensive site selection processes resulted in a highly visible "signature" location. Full day LEED workshop enriched the requested "traditional" or "classical" design aesthetic

Academic Projects

Watkinson School - Various Projects, Hartford CT

Principal/Designer/Project Manager with Jack Dollard

Complex doubled total square footage of school without dominating, and in fact, reinforcing the “old farm school” image. Buildings designed and executed for this Independent School are:

- Art and Athletics Facility | program includes assembly and theater, gym, music room, dance studio
- North Art Barn | complementary structure to the Art Barn
- Carriage Barn | project utilized an antique victorian horse barn structure and included art/pottery studios and classrooms. Project also served as viewing and gathering for main soccer field.
- Fingara Hall Lift and Accessibility Project | ADA related solutions for signature Victorian structure
- Gym to Library Conversion | conversion of gym to modern accessible library and computer center
- Residence Hall Renovations | conversion of garage to dormitory

MIT Chemical Engineering Department Study, Cambridge, MA

Studio Leader

Oversaw study development involving evaluations and adaptations to the original IM Pei ChemE building. Study developed 3 scenarios for future ChemE department growth.

Mount Wachusett Community College Whitmore Technology Center, Wachusett, MA

Principal in Charge | Executive Architect

Project was a classroom facility executed in precast skin to match the existing tuted masonry and concrete mega structure. It included two terraced lecture halls, classrooms, faculty offices and technology shop.

Worcester Polytechnic Institute Life sciences & Bioengineering Center @ Gateway Park, Worcester, MA

Director of Operations

Project management oversight of Brownfield development including 87,200SF of new construction and 35,000SF of renovations.

Salem State University - Three Campus Reconfiguration Study, Phase II, Salem, MA

Executive Architect and Academic Planner

Through a backfill master planning process, evaluated vacancies in the north and south campus facilities being created by completion of a new center campus complex, working with Administration and Faculty to build consensus of use and renovation budgeting.

Salem State University - Harrington Hall Renovations, Salem, MA

Executive Architect/PM

This was the first phase of the earlier backfill master plan and transformed the Harrington Hall building from its locker lined corridor high school beginnings to an attractive collegiate facility, including an Occupational Therapy Lab for the School of Nursing.

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Pfizer Building 257 Containment Lab, Groton, CT

Executive Architect/Project Manager/Designer

Conversion of an existing loading dock area into a BL2/3 containment lab with its corresponding main lab and lab office support areas.

Corporate / Institutional / Civic

Nuclear Pharmacy, Inc., Lab Renovations, Memphis, TN

Principal/Designer/Project Manager

Laboratory expansion and related renovations for a private testing facility.

Aetna Life and Casualty Home office Renovations, Hartford, CT

Project Director/Construction Administrator

Major interior and exterior renovation of the approximately 2 million sf corporate office. The 5-year construction process requiring uninterrupted operations for Aetna was accomplished through 37 bid packages for a total project cost of \$225M.

Landmark at Eastview, Regeneron Labs for BioMed Realty, Westchester County, NY

Director of Operations

Contract development and monitoring of \$145M Commercial Laboratories.

City of Belmopan, City Planning for Belmopan 2025, Belmopan, Belize C.A.

Principal/Planner

Project involved the analysis and expansion of the original 1975 master plan for the new capital of Belize. Plan was in part to predict and address forces of population growth and economic development in a sustainable design that profited by, but protected the Belize River and surrounding rainforest ecology.

The Hartford Courant, Distribution Facility, Hartford, CT

Project Executive/Designer/Project Manager

Project housed the paper's distribution vehicles, maintenance facilities and associated offices. Inventive structural solution over a land fill site was, "black, white and red all over."

WinZip R&D and Corporate Offices, Mansfield, CT

Principal/Designer/Project Manager

An adaptive reuse of an existing building and tenant design for dry labs and production/shipping.