

THOMAS L. REWERTS, S.E.

□ PROFESSIONAL EXPERTISE

- INVESTIGATIVE, ANALYTICAL, AND FORENSIC STRUCTURAL AND ARCHITECTURAL ENGINEERING ASSOCIATED WITH PROBLEMS AND FAILURES IN EXISTING STRUCTURES, FOR OWNERS AND THE LEGAL AND INSURANCE INDUSTRIES; SPECIALIZING IN SOLVING PARTICULARLY DIFFICULT PROBLEMS IN ARCHITECTURAL AND STRUCTURAL COMPONENTS AND FACILITIES.
- DESIGN OF COMPREHENSIVE REPAIR AND RESTORATION PROGRAMS; DESIGN OF LONG-TERM MAINTENANCE PROGRAMS; CONSTRUCTION MANAGEMENT AND QUALITY ASSURANCE FOR REPAIR AND RESTORATION PROGRAMS.

□ PROFESSIONAL REGISTRATIONS

- STRUCTURAL ENGINEER: ILLINOIS (No. 004350)
- PROFESSIONAL ENGINEER: KANSAS 2004 (No. 18046); MISSOURI 2004 (No. 26505); ILLINOIS (No. 38350); CALIFORNIA (No. 32607); TENNESSEE (No. 18607)

□ PROFESSIONAL EDUCATION

- B.S. IN CIVIL - STRUCTURAL ENGINEERING, LSU, 1975
- ATTENDED DEPAUL UNIVERSITY SCHOOL OF LAW, 1980

□ PROFESSIONAL AFFILIATIONS

- STRUCTURAL ENGINEERS ASSOCIATION OF KANSAS AND MISSOURI (SEAKM)
- STRUCTURAL ENGINEERS ASSOCIATION OF ILLINOIS (SEAOI)
- AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE), STRUCTURAL ENGINEERING INSTITUTE
- AMERICAN CONCRETE INSTITUTE (ACI)
 - FELLOW, NATIONAL ORGANIZATION; PRESIDENT, CHICAGO CHAPTER, 1990–91
 - PAST CHAIRMAN (9 YRS.), AND MEMBER (25 YRS.), COMMITTEE 437, STRENGTH EVALUATION OF EXISTING CONCRETE STRUCTURES
 - PAST MEMBER, COMMITTEE 563, SPECIFICATIONS FOR STRUCTURAL REPAIR OF CONCRETE IN BUILDINGS
 - PAST ASSOCIATE MEMBER: COMMITTEE 201, CONCRETE DURABILITY; COMMITTEE 222, CORROSION; COMMITTEE 546, REPAIR OF CONCRETE; COMMITTEE 120, HISTORY OF CONCRETE
- INTERNATIONAL CONCRETE REPAIR INSTITUTE (ICRI)
 - BOARD MEMBER. SECRETARY, TECHNICAL COMMITTEE CHAIRMAN, GREAT PLAINS CHAPTER
- NATIONAL TRUST FOR HISTORIC PRESERVATION (NTHP)
- NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS (NSPE)
- NATIONAL ASSOCIATION OF CORROSION ENGINEERS (NACE)
- ASSOCIATION FOR PRESERVATION TECHNOLOGY INTERNATIONAL (APTI)
- THE SEALANT WATERPROOFING AND RESTORATION INSTITUTE (SWRI)
- KANSAS PRESERVATION ALLIANCE (KPA)
 - FORMER VICE PRESIDENT AND BOARD MEMBER

□ PROFESSIONAL EXPERIENCE

- **THOS. REWERTS & Co., LLC**, KANSAS CITY, MO; CHICAGO, IL OWNER, PRINCIPAL

2001 – PRESENT - CONSULTING STRUCTURAL AND ARCHITECTURAL ENGINEERING SERVICES ARE PROVIDED TO OWNERS, INSURANCE COMPANIES, LAW FIRMS, REAL ESTATE MANAGEMENT FIRMS, ETC., FOR CONSTRUCTION PROBLEM—SOLVING AND THE DESIGN OF REPAIRS FOR PROBLEMS IN ARCHITECTURAL AND ENGINEERING FACILITIES, AND FORENSIC STRUCTURAL ENGINEERING SERVICES.

- **CONSTRUCTION TECHNOLOGY LABORATORIES, INC.**, SKOKIE, IL VICE PRESIDENT

1997-2001 - CONSULTING STRUCTURAL ENGINEERING SERVICES WERE PROVIDED TO ARCHITECTS, ENGINEERS, CONTRACTORS, OWNERS, INSURANCE COMPANIES, LAW FIRMS, REAL ESTATE MANAGEMENT FIRMS, ETC., FOR CONSTRUCTION PROBLEM—SOLVING AND THE DESIGN OF REPAIRS FOR PROBLEMS IN ARCHITECTURAL AND ENGINEERING FACILITIES.

- **MADSEN, KNEPPERS AND ASSOCIATES, INC.**, CHICAGO, IL VICE PRESIDENT,
CHICAGO OFFICE MANAGER

1992—1997 - MANAGER IN CHARGE OF 12 PERSON CHICAGO BRANCH OFFICE OF THIS NATIONAL CONSTRUCTION-CONSULTING FIRM OF 55 PERSONS. VICE PRESIDENT IN CHARGE OF STRUCTURAL ENGINEERING SERVICES, NATIONWIDE. MEMBER OF THE CORPORATE BOARD OF DIRECTORS.

CONSULTING STRUCTURAL ENGINEERING SERVICES WERE PROVIDED TO ARCHITECTS, ENGINEERS, CONTRACTORS, OWNERS, INSURANCE COMPANIES, LAW FIRMS, REAL ESTATE MANAGEMENT FIRMS, ETC., FOR CONSTRUCTION PROBLEM—SOLVING AND THE DESIGN OF REPAIRS FOR PROBLEMS IN ARCHITECTURAL AND ENGINEERING FACILITIES.

- **STS CONSULTANTS, LTD**, NORTHBROOK, IL VICE PRESIDENT

1988—1992 - SUPERVISED OVER 60 EMPLOYEES AS CORPORATE VICE PRESIDENT IN CHARGE OF THE CONSTRUCTION TECHNOLOGY DIVISION OF THIS \$40 MILLION DOLLAR CONSULTING ENGINEERING FIRM. IN RESPONSIBLE CHARGE OF THE THREE SUBDIVISIONS OF THE CONSTRUCTION TECHNOLOGY DIVISION, INCLUDING CONSTRUCTION QUALITY CONTROL TESTING, CONSTRUCTION MATERIALS TESTING LABORATORY, AND ARCHITECTURAL AND STRUCTURAL EVALUATION OF PROBLEMS IN ENGINEERED FACILITIES. RESPONSIBLE FOR ALL ACTIVITIES OF THE CONSTRUCTION TECHNOLOGY DIVISION ON A CORPORATE NATIONAL BASIS.

- **WISS, JANNEY, ELSTNER ASSOCIATES, INC.**, NORTHBROOK, IL, CONSULTANT

1984—1988 - RESPONSIBILITIES INCLUDED MANAGEMENT OF NUMEROUS PROJECTS INVOLVING CONSTRUCTION LITIGATION SUPPORT, INSURANCE CLAIMS, AND THE DIAGNOSIS AND REPAIR OF PROBLEMS IN STRUCTURES OF ALL TYPES. SPECIFIC AREAS OF CONCENTRATION INCLUDED CONCRETE REPAIR AND RESTORATION PROGRAMS, RESTORATION OF HISTORIC STRUCTURES, AND FOUNDATION SETTLEMENT PROBLEMS.

- **THE CIORBA GROUP, INC.**, CHICAGO, IL CHIEF STRUCTURAL ENGINEER

1981—1984 - RESPONSIBLE FOR THE STRUCTURAL ENGINEERING DEPARTMENT FOR THIS TRANSPORTATION/CIVIL ENGINEERING FIRM. DUTIES INCLUDED DESIGN OF NEW BRIDGE AND TRANSPORTATION STRUCTURES, AND THE EVALUATION AND REPAIR OF HIGHWAY AND RAIL BRIDGE STRUCTURES.

- **RATHS, RATHS, & JOHNSON, INC.**, HINSDALE, IL STRUCTURAL ENGINEER

1975—1980 - RESPONSIBLE FOR THE DESIGN OF NEW STRUCTURES, LITIGATION SUPPORT FOR LAW FIRMS, INSURANCE CLAIMS, AND THE EVALUATION AND DESIGN OF REPAIRS FOR EXISTING STRUCTURES OF ALL TYPES. OBTAINED INITIAL PROFESSIONAL AND STRUCTURAL ENGINEERING LICENSES WHILE WITH RRJ.

□ TECHNICAL PRESENTATIONS

- "RESTORATION AND REPLACEMENT OF ARCHITECTURAL CAST STONE," AS ILLUSTRATED THROUGH THE RESTORATION OF THE COUNTRY CLUB CHRISTIAN CHURCH, PRESENTED AT THE WINTER TECHNICAL MEETING OF THE SEALANT AND WATERPROOFING RESTORATION INSTITUTE, MIAMI, FL, MARCH 11, 2015
- "EXAMINING THE ROLE OF MOISTURE IN D-CRACKING OF CONCRETE PAVEMENTS," PRESENTED AT THE ANNUAL CONFERENCE OF THE AMERICAN CONCRETE INSTITUTE, KANSAS CITY, MO, APRIL 13, 2015
- "UNDERSTANDING THE DIFFERENCES BETWEEN CAST STONE AND LIMESTONE IN BUILDING & RESTORATION WORK," PRESENTED TO A CONFERENCE SPONSORED BY THE INDIANA LIMESTONE COMPANY, BLOOMINGTON, IN, MARCH 23, 2015
- "COMPLEX AND INNOVATIVE STRUCTURAL REPAIR OF 1917 ERA MASONRY AND CONCRETE SCHOOL BUILDINGS," PRESENTED AT THE FALL CONVENTION OF THE INTERNATIONAL CONCRETE REPAIR INSTITUTE, KANSAS CITY, MO, NOVEMBER 13, 2104
- "REPAIR OF ARCHITECTURAL TERRA COTTA," PRESENTED AT THE MEETING OF THE INTERNATIONAL CONCRETE REPAIR INSTITUTE – MINNESOTA CHAPTER, MINNEAPOLIS, MN, JUNE 11, 2013
- "PRE-PLACED AGGREGATE REPAIR," PRESENTED AT THE MEETING OF THE INTERNATIONAL CONCRETE REPAIR INSTITUTE – MINNESOTA CHAPTER, MINNEAPOLIS, MN, JANUARY 10, 2013
- "CAST STONE VS. LIMESTONE IN BUILDING & RESTORATION WORK," PRESENTED AT THE ANNUAL MEETING OF THE MISSOURI CHAPTER OF ASSOCIATION OF PHYSICAL PLANT ADMINISTRATORS, NORTH CENTRAL MISSOURI COLLEGE, TRENTON, MO, 2013
- "PRE-PLACED AGGREGATE REPAIR," PRESENTED AT THE MONTHLY MEETING OF THE INTERNATIONAL CONCRETE INSTITUTE - GREAT PLAINS CHAPTER, KANSAS CITY, MO., APRIL, 2012
- "COMMON PROBLEMS IN CONCRETE AND MASONRY CONSTRUCTION," PRESENTED AT THE MONTHLY MEETING OF THE STRUCTURAL ENGINEER'S ASSOCIATION OF NEBRASKA, OMAHA, NE, 2011
- "A CONVERSATION ON THE STRUCTURE AND RESTORATION OF FRANK LLOYD WRIGHT'S UNITY TEMPLE," PRESENTED AT THE MONTHLY MEETING OF THE NATIONAL ASSOCIATION FOR WOMEN IN CONSTRUCTION, SAINT JOSEPH, MO, 2010
- "LEARNING FROM PAST MISTAKES IN MASONRY AND CONCRETE CONSTRUCTION," PRESENTED FOR THE KIEWIT BUILDING GROUP, OMAHA, NE, 2010
- "COMMON PROBLEMS IN CONCRETE AND MASONRY CONSTRUCTION," PRESENTED AT THE MEETING OF THE INTERNATIONAL CONCRETE REPAIR INSTITUTE, GREAT PLAINS CHAPTER, OMAHA, NE, 2010
- "ROLE OF THE ENGINEER AND CONTRACTOR; REPAIR OF SEVERELY DISTRESSED CONCRETE STRUCTURES," PRESENTED AT THE ANNUAL MEETING OF THE AMERICAN CONCRETE INSTITUTE, CHICAGO, IL, MARCH, 2010
- "REPAIR OF HISTORIC FACADES & DESIGN OF NEW BUILDINGS TO ELIMINATE FACADE FAILURES," PRESENTED AT THE ANNUAL CONFERENCE OF THE AMERICAN INSTITUTE OF ARCHITECTS, KANSAS CHAPTER, OVERLAND PARK, KS, SEPTEMBER, 2009
- "THE STRUCTURE OF WRIGHT; EXAMINING THE STRUCTURAL ENGINEERING BEHIND THE ARCHITECTURAL WORKS OF FRANK LLOYD WRIGHT," PRESENTED AT THE ANNUAL MEETING OF THE STRUCTURAL ENGINEERS ASSOCIATION OF KANSAS AND MISSOURI, KANSAS CITY, MO, 2007
- "HISTORICAL DEVELOPMENT OF IN-SITU LOAD TESTING AS A MEANS OF EVALUATING THE STRENGTH OF EXISTING CONCRETE STRUCTURES," PRESENTED AT THE FALL CONVENTION OF THE AMERICAN CONCRETE INSTITUTE, KANSAS CITY, MO, NOVEMBER, 2005.
- "HISTORICAL DEVELOPMENT OF MONOLITHIC FLAT SLAB CONCRETE SYSTEMS," PRESENTED AT THE FALL CONVENTION OF THE AMERICAN CONCRETE INSTITUTE, KANSAS CITY, MO, NOVEMBER, 2005.
- "STRUCTURAL ENGINEERING AND CONSTRUCTION CHALLENGES PRESENTED BY SEVERE CORROSION OF HISTORIC STRUCTURAL STEEL FRAME BUILDING, REMOVAL AND REPLACEMENT OF THE 50 FT. HIGH CUPOLA ON THE 46 STORY MATHER TOWER," PRESENTED AT THE ANNUAL MEETING OF THE STRUCTURAL ENGINEERS ASSOCIATION OF KANSAS AND MISSOURI, WICHITA, KS, 2005
- "LOAD TESTING AS A MEANS OF EVALUATING THE STRENGTH OF EXISTING CONCRETE STRUCTURES; PAST, PRESENT AND FUTURE PRACTICES," PRESENTED AT THE FALL CONVENTION OF THE AMERICAN CONCRETE INSTITUTE, SAN FRANCISCO, CA, OCTOBER, 2004
- "LONG TERM DEFLECTION AND CREEP OF CANTILEVERED ROOF SLABS ON FRANK LLOYD WRIGHT'S UNITY TEMPLE, OAK PARK, IL," PRESENTED AT THE FALL CONVENTION OF THE AMERICAN CONCRETE INSTITUTE, SAN FRANCISCO, CA, OCTOBER, 2004

□ TECHNICAL PRESENTATIONS CONTINUED

- “APPLYING KNOWLEDGE GAINED FROM PAST MISTAKES AND FAILURES TO MOVE CONCRETE REPAIR PRACTICE FORWARD,” PRESENTED AT THE ANNUAL CONVENTION OF THE INTERNATIONAL CONCRETE REPAIR INSTITUTE, CHICAGO, IL, MARCH 2004.
- “INVESTIGATION OF THE CONCRETE STRUCTURE OF FRANK LLOYD WRIGHT’S UNITY TEMPLE, OAK PARK, ILLINOIS,” PRESENTED TO THE AMERICAN CONCRETE INSTITUTE’S SPRING CONVENTION, VANCOUVER, BC, MARCH, 2003.
- “DESIGN AND CONSTRUCTION PRACTICES TO MINIMIZE RESTRAINT CRACKING IN CONCRETE STRUCTURES,” TECHNICAL PAPER PRESENTED AT THE SPRING CONVENTION OF THE AMERICAN CONCRETE INSTITUTE, SAN DIEGO, CA, MARCH 29, 2000.
- “HISTORY OF LOAD TESTING CONCRETE STRUCTURES,” TECHNICAL PAPER PRESENTED AT THE SPRING CONVENTION OF THE AMERICAN CONCRETE INSTITUTE, SAN DIEGO, CA, MARCH 29, 2000.
- “RECENT TECHNOLOGICAL ADVANCES THAT ARE IMPROVING THE CONCRETE REPAIR INDUSTRY,” PRESENTED AT THE SEPTEMBER 15, 1999, DINNER MEETING OF THE TRI-STATES CHAPTER OF THE INTERNATIONAL CONCRETE REPAIR INSTITUTE, CHICAGO, IL.
- “FAILURES IN A HIGH RISE BUILDING ENVELOPE, LONG TERM CONSEQUENCES TO THE OWNERS,” PRESENTED AT THE ROOF CONSULTANTS INSTITUTE MEETING IN CHICAGO, IL, SEPTEMBER 5, 1998.
- “DAMAGE TO CONCRETE STRUCTURES FROM HURRICANES ANDREW, INIKI, AND OPAL,” TECHNICAL PAPER PRESENTED AT THE FALL CONVENTION OF THE AMERICAN CONCRETE INSTITUTE, NEW ORLEANS, LA, FALL, 1996.
- “EVALUATION OF DAMAGE TO CONCRETE STRUCTURES FROM HURRICANE OPAL,” PRESENTED AT THE JOINT DINNER MEETING OF THE STRUCTURAL ENGINEERS ASSOCIATION OF ILLINOIS AND THE ILLINOIS CHAPTER OF THE AMERICAN CONCRETE INSTITUTE, FEBRUARY 6, 1996, CHICAGO, IL.
- “LOAD TESTS OF CONCRETE STRUCTURES,” PRESENTED AT THE 1995 ILLINOIS CONCRETE CONFERENCE, DRAKE HOTEL, CHICAGO, IL. SPONSORED BY THE ILLINOIS CHAPTER OF THE AMERICAN CONCRETE INSTITUTE.
- “A HISTORY AND DISCUSSION OF PROVISIONS FOR CONDUCTING LOAD TESTS IN EXISTING CONCRETE BUILDINGS,” PRESENTED AT THE ANNUAL CONVENTION OF THE AMERICAN CONCRETE INSTITUTE, TORONTO, ONTARIO, 1994.
- “CAUSES AND METHODS FOR MITIGATION OF EARLY AGE TRANSVERSE CRACKING OF CONCRETE BRIDGE DECKS,” PRESENTED AT THE SPRING CONVENTION OF THE AMERICAN CONCRETE INSTITUTE, TORONTO, CANADA.
- “CORROSION OF FLOOR SLAB SYSTEMS IN COMPLETELY ENCLOSED CONCRETE BUILDINGS,” PRESENTED AT THE SPRING CONVENTION OF THE AMERICAN CONCRETE INSTITUTE, PHILADELPHIA, PA.
- “LOAD TESTING OF CONCRETE STRUCTURES,” PRESENTED AT A JOINT MEETING OF THE WISCONSIN CHAPTER OF THE AMERICAN CONCRETE INSTITUTE AND THE FOX VALLEY BRANCH OF THE WISCONSIN SECTION OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS, SHEBOYGAN, WI, OCTOBER, 1992.
- “REPAIR OF CONCRETE STRUCTURES”, AT THE DINNER MEETING OF THE ILLINOIS CHAPTER OF THE CONSTRUCTION SPECIFICATIONS INSTITUTE, CHICAGO, IL.
- “STRUCTURAL ENGINEERING FAILURES,” PRESENTED AT THE GREAT LAKES CONFERENCE FOR STUDENT ENGINEERS, PURDUE UNIVERSITY, WEST LAFAYETTE, IN
- “METHODS FOR REPAIR OF CONCRETE STRUCTURES,” CHICAGO AREA CHAPTER OF THE AMERICAN CONCRETE INSTITUTE, CHICAGO, IL.
- “LESSONS FOR STRUCTURAL DESIGNERS LEARNED THROUGH THE EVALUATION OF EXISTING STRUCTURES,” PRESENTED AT THE SECOND ANNUAL MIDWEST ENGINEERS CONFERENCE AND EXPOSITION, OCTOBER 10, 1985, MINNEAPOLIS, MN.

□ TECHNICAL PUBLICATIONS

- REWERTS, THOMAS L., "RESTORATION OF ARCHITECTURAL CAST STONE ON THE COUNTRY CLUB CHRISTIAN CHURCH, KANSAS CITY, MO," THE APPLICATOR, THE SEALANT WATERPROOFING AND RESTORATION INSTITUTE, AUGUST, 2015.
- ACI COMMITTEE REPORT 437.1R-07, "LOAD TESTS OF CONCRETE STRUCTURES: METHODS, MAGNITUDE, PROTOCOLS & ACCEPTANCE CRITERIA." CONTRIBUTING CO-AUTHOR AS MEMBER OF ACI COMMITTEE 437 ON STRENGTH EVALUATION OF EXISTING CONCRETE STRUCTURES, THE AMERICAN CONCRETE INSTITUTE, FARMINGTON HILLS, MI.
- REWERTS, THOMAS L., "ADDRESSING THE DANGER FROM ABOVE, THE EPIDEMIC OF HIGH RISE CLADDING PROBLEMS," STRUCTURAL ENGINEER MAGAZINE, OCTOBER, 2000.
- REWERTS, THOMAS L., "BEWARE OF INTERNAL MOISTURE WHEN COATING CONCRETE," CONCRETE CONSTRUCTION MAGAZINE, JUNE, 1993, PP. 421-425.
- REWERTS, T.L. AND HUNDERMAN, H.J., "AN ANALYSIS OF THE PERFORMANCE AND SERVICE LIFE OF THE CONCRETE STRUCTURE OF UNITY TEMPLE, OAK PARK, ILLINOIS," SERVICE LIFE OF REHABILITATED BUILDINGS AND OTHER STRUCTURES, AMERICAN SOCIETY FOR TESTING MATERIALS, ASTM STP 1098, PHILADELPHIA, PA, 1990, PP. 86-94.
- ACI COMMITTEE REPORT 437, "STRENGTH EVALUATION OF EXISTING CONCRETE BUILDINGS" (COMPREHENSIVE 1989 REVISION). PRIMARY AUTHOR AS CHAIRMAN OF ACI COMMITTEE 437 ON STRENGTH EVALUATION OF EXISTING CONCRETE STRUCTURES, THE AMERICAN CONCRETE INSTITUTE, FARMINGTON HILLS, MI.
- SLATON, D., HUNDERMAN, H.J., AND REWERTS, THOMAS L., "FRANK LLOYD WRIGHT AT UNITY TEMPLE: THE MEDIUM AND THE MESSAGE," ARCHITECTURE MAGAZINE, NOVEMBER, 1988.
- REWERTS, THOMAS L., AND GAUDETTE, P.E., "FIELD EVALUATION OF STEEL BRIDGES FOR FATIGUE DAMAGE DUE TO SECONDARY STRUCTURAL BEHAVIOR," PRESENTED AT AND PUBLISHED IN THE PROCEEDINGS OF THE 5TH ANNUAL INTERNATIONAL BRIDGE CONFERENCE, PITTSBURGH, PENNSYLVANIA, JUNE 13-15, 1988.
- GUEDELHOEFER, O.C., KUDDER, R.J., AND REWERTS, THOMAS L., "RECURRING CAUSES OF CONSTRUCTION FAILURES," PRESENTED AT THE AMERICAN SOCIETY OF CIVIL ENGINEERS ANNUAL CONVENTION, MAY 11-15, 1981, NEW YORK.

□ CONTINUING EDUCATION INSTRUCTION

- INSTRUCTOR, MULTIPLE PRESENTATIONS (12 HRS. OVER TWO DAYS) ON "TROUBLESHOOTING AND REPAIR OF MASONRY, NATURAL STONE, AND CONCRETE STRUCTURES," JOHNSON COUNTY CONTRACTOR LICENSING SEMINARS, JOHNSON, COUNTY, KS, OCTOBER, 2008, AND OCTOBER, 2015.
- ORGANIZER AND PRESENTER, "EVOLUTION OF PRESERVATION TREATMENTS FOR THE ARCHITECTURAL AND STRUCTURAL CONCRETE AT HISTORIC UNITY VILLAGE," ANNUAL MEETING OF THE ASSOCIATION FOR PRESERVATION TECHNOLOGY, KANSAS CITY, MO, NOVEMBER 5, 2015.
- CO-INSTRUCTOR, "PRESERVATION OF MODERN CONCRETE," A WORKSHOP AT THE ANNUAL MEETING OF THE ASSOCIATION FOR PRESERVATION TECHNOLOGY, KANSAS CITY, MO, NOVEMBER 1, 2015; MADE PRESENTATION ENTITLED, "CONCRETE DETERIORATION & INVESTIGATIVE TECHNIQUES."
- PROGRAM CHAIR AND ORGANIZER, MIDWEST RESTORATION CONFERENCE, "RESTORATION OF ARCHITECTURAL AND HISTORIC CONCRETE", "ARCHITECTURAL CAST STONE"; HELD AT THE LIED LODGE, NEBRASKA CITY, NE, OCTOBER 6-7, 2013; CO-SPONSORED BY ICRI-GREAT PLAINS, APT-CENTRAL PLAINS, ACI-KANSAS, CONCRETE PROMOTIONAL GROUP OF KANSAS CITY.
- CO-INSTRUCTOR, "CONCRETE INVESTIGATION AND REPAIR; A STATE OF THE ART SEMINAR," INTERNATIONAL CONCRETE REPAIR INSTITUTE - GREAT PLAINS CHAPTER, OMAHA, NE; INCLUDED PRESENTATIONS ON "PROPER DIAGNOSIS OF DETERIORATION AND STRUCTURAL DISTRESS IN CONCRETE STRUCTURES," AND "FAILURES IN CONCRETE REPAIR," MARCH, 2012;
- INSTRUCTOR, MULTIPLE PRESENTATIONS (16 HRS. OVER TWO DAYS) ON "TROUBLESHOOTING AND REPAIR OF MASONRY AND CONCRETE STRUCTURES," JOHNSON COUNTY CONTRACTOR LICENSING SEMINARS, JOHNSON, COUNTY, KS, OCTOBER, 2008, AND NOVEMBER, 2009.
- CO-INSTRUCTOR, MULTIPLE PRESENTATIONS (11 HRS. OVER TWO DAYS) ON "TROUBLESHOOTING AND REPAIR OF CONCRETE STRUCTURES," NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS, COLUMBUS, OH, 2001, 2007, 2010. INCLUDING CRACK REPAIRS, EVALUATING THE EFFECTIVENESS OF CRACK REPAIRS, FABRICATION OF REINFORCING SYSTEMS, AND PRESTRESSED CONCRETE SYSTEMS.

□ CONTINUING EDUCATION INSTRUCTION CONTINUED

- CO-INSTRUCTOR, "TROUBLESHOOTING AND REPAIR OF CONCRETE;" CONTRACT SEMINAR PRESENTED FOR LES CORCORAN ASSOCIATES, SANTA CRUZ, CA, ON BEHALF OF THE PORTLAND CEMENT ASSOCIATION.
- CO-INSTRUCTOR, "ADVANCED TOPICS IN MASONRY CONSTRUCTION," PRESENTED FOR ESSROC, BY THE PORTLAND CEMENT ASSOCIATION, SKOKIE, IL
- CO-INSTRUCTOR, "MASONRY CONSTRUCTION," PRESENTED FOR BUZZI UNICEM, MEMPHIS, TN, MARCH, 2006, ON BEHALF OF THE PORTLAND CEMENT ASSOCIATION.
- INSTRUCTOR, "RESTORATION OF MATHER TOWER, 75 E. WACKER DRIVE, CHICAGO, IL," PRESENTED AT THE AMERICAN INSTITUTE OF ARCHITECTS CHICAGO CHAPTER, OCTOBER 9, 2003; CONTINUING EDUCATION COURSE.
- CO- INSTRUCTOR, "STRUCTURAL REPAIR OF CONCRETE STRUCTURES," PRESENTED AT THE NATIONAL DEFENSE THREAT REDUCTION AGENCY, WHITE SANDS MISSILE RANGE, NEW MEXICO, AUGUST, 2003.
- INSTRUCTOR, "INVESTIGATION AND REPAIR OF FRANK LLOYD WRIGHT'S UNITY TEMPLE, OAK PARK, ILLINOIS," PRESENTED TO THE AMERICAN INSTITUTE OF ARCHITECTS, CHICAGO CHAPTER, CONTINUING EDUCATION COURSE.
- INSTRUCTOR, "OBLIGATIONS FOR FACADE MAINTENANCE," PRESENTATION AT THE CITY OF CHICAGO - SPONSORED SEMINAR ON MAINTENANCE AND REPAIR OF BUILDING FACADES, NOVEMBER, 2001.
- CO-INSTRUCTOR, "REPAIR OF CONCRETE STRUCTURES; IN-DEPTH STRATEGIES AND TECHNIQUES FOR RELIABLE REPAIRS," TWO-DAY SEMINAR PRESENTED AT THE HEADQUARTERS OF DUKE ENERGY, CHARLOTTE, NC, AUGUST 21-22, 2001.
- CO-INSTRUCTOR, "REPAIR OF REINFORCED CONCRETE STRUCTURES FOR THE NUCLEAR POWER INDUSTRY," TWO DAY SEMINAR PRESENTED AT THE CALVERT CLIFFS NUCLEAR POWER PLANT, SOLOMONS, MD, NOVEMBER, 2001.
- REWERTS, THOMAS L., MCGUIRE, ANNE, AND IGLESKI, MARK, PRESENTATION ENTITLED, "SAVING FACE; FACADE MATTERS," TO THE AMERICAN INSTITUTE OF ARCHITECTS, CHICAGO CHAPTER, CONTINUING EDUCATION SEMINAR. JUNE 1, 2001, CHICAGO, IL.
- COURSE INSTRUCTOR, "REPAIR AND REHABILITATION OF CONCRETE STRUCTURES", A CONTINUING EDUCATION SEMINAR SPONSORED BY THE AMERICAN CONCRETE INSTITUTE AT A NUMBER OF CITIES AROUND THE COUNTRY, INCLUDING MINNEAPOLIS, SAN DIEGO, TAMPA, CINCINNATI, CHICAGO, GRAND RAPIDS, ATLANTA, BIRMINGHAM, BOSTON, DALLAS, DES MOINES, DETROIT, OKLAHOMA CITY, DENVER, HARTFORD, HALIFAX, NOVA SCOTIA, INDIANAPOLIS, NASHVILLE, BOSTON, BALTIMORE, WASHINGTON DC, SAN DIEGO, SEATTLE, KANSAS CITY AND JACKSONVILLE.
- CO-INSTRUCTOR, "REPAIR OF CONCRETE STRUCTURES," PRESENTED AT THE PALO VERDE NUCLEAR POWER FACILITY, ARIZONA, AS A CONTRACT SEMINAR FOR THE AMERICAN CONCRETE INSTITUTE.
- CO-INSTRUCTOR, "TROUBLESHOOTING OF PROBLEMS IN CONCRETE CONSTRUCTION," PRESENTED AT THE PORTLAND CEMENT ASSOCIATION, SKOKIE, IL (THREE DAY TRAINING SEMINAR).
- CO-INSTRUCTOR, ESSROC LEVEL II PACKAGE TECHNICAL TRAINING PROGRAM; INCLUDING THE SUBJECTS OF "MASONRY WALL CONSTRUCTION", "REINFORCED MASONRY CONSTRUCTION," "DESIGN AND CONSTRUCTION CONSIDERATIONS FOR HANDLING MOISTURE," "MINIMIZING MASONRY PROBLEMS IN THE FIELD FROM A DESIGN PERSPECTIVE," AND "IDENTIFYING POTENTIAL MASONRY CONSTRUCTION PROBLEMS," PRESENTED AT THE PORTLAND CEMENT ASSOCIATION, SKOKIE, IL (THREE DAY TRAINING SEMINAR).
- CO-INSTRUCTOR, "AVOIDING COMMON CONCRETE CONSTRUCTION MISTAKES AND COSTLY REPAIRS," PRESENTED AT THE CONEXPO-CONAGG '99 CONVENTION, LAS VEGAS, NV, MARCH 23, 1999.
- INSTRUCTOR, "REPAIR OF CONCRETE," PRESENTED AT THE PORTLAND CEMENT ASSOCIATION, SKOKIE, IL (TWO DAY TRAINING SEMINAR).
- CO-INSTRUCTOR, "MASONRY CONSTRUCTION PRACTICES," PRESENTED AT THE PORTLAND CEMENT ASSOCIATION, SKOKIE, IL (TWO-DAY SEMINAR).
- COURSE INSTRUCTOR, "HISTORIC CONCRETE: INVESTIGATION AND REPAIR." A THREE DAY TRAINING PROGRAM OFFERED BY THE ASSOCIATION FOR PRESERVATION TECHNOLOGY, HELD AT THE ANNUAL CONVENTION OF THE ASSOCIATION FOR PRESERVATION TECHNOLOGY AT THE PALMER HOUSE HOTEL, CHICAGO, IL, SEPTEMBER 28-30, 1997.
- CO-INSTRUCTOR, THREE DAY SEMINAR ON "ADDRESSING THE POTENTIAL FOR SEISMIC DAMAGE IN RESIDENTIAL STRUCTURES IN THE MIDWEST," FOR AMERICAN FAMILY INSURANCE COMPANY, ST. LOUIS, 1996.
- PROGRAM CHAIRMAN AND ORGANIZER, FOURTH CHICAGO CONCRETE CONFERENCE, 1993, DRAKE HOTEL, CHICAGO, IL. SPONSORED BY THE ILLINOIS CHAPTER OF THE AMERICAN CONCRETE INSTITUTE.

□ CONTINUING EDUCATION INSTRUCTION CONTINUED

- COURSE INSTRUCTOR, "BRIDGE INSPECTION AND REHABILITATION," A CONTINUING EDUCATION COURSE SPONSORED BY THE UNIVERSITY OF WISCONSIN—MADISON, MADISON, WI (HELD EVERY TWO YEARS FOR SEVEN PRESENTATIONS). TOPICS OF INSTRUCTION INCLUDE USE OF NONDESTRUCTIVE TESTING TECHNIQUES IN THE EVALUATION OF STEEL AND CONCRETE BRIDGE ELEMENTS.
- COURSE INSTRUCTOR, "FAILURE OF CONCRETE STRUCTURES," A CONTINUING SEMINAR SERIES SPONSORED BY THE AMERICAN CONCRETE INSTITUTE, CHICAGO, IL.
- PROGRAM CHAIRMAN AND ORGANIZER, THIRD CHICAGO CONCRETE CONFERENCE: "CONCRETE FLOOR SLABS ON GRADE AND CATHODIC PROTECTION OF REINFORCED CONCRETE STRUCTURES," 1991, DRAKE HOTEL, CHICAGO, IL. SPONSORED BY THE CHICAGO AREA CHAPTER OF THE AMERICAN CONCRETE INSTITUTE.
- GUEST LECTURER, "STATE OF THE ART IN AMERICAN PRACTICE FOR REHABILITATION OF CONCRETE STRUCTURES," A SERIES OF LECTURES FOR THE CENTRAL RESEARCH INSTITUTE FOR BUILDING CONSTRUCTION, MINISTRY OF METALLURGY, BEIJING AND XIAN, CHINA. NOVEMBER, 1991.
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