



Dr. Rens is a civil engineer specializing in structural engineering. He has performed numerous structural evaluations related to residential and commercial building failures and performance problems. He has extensive experience on concrete testing condition assessment of structures. He is an Associate Professor of civil and structural engineering at University of Colorado, Denver, CO.

LICENSURE & EDUCATION

Licensed Professional Engineer in the State of Colorado
PhD, Civil Engineering (Structures), Iowa State University, 1994
MS, Civil Engineering, Iowa State University, 1989
BS, Civil Engineering, Iowa State University, 1988
Professional Association of Diving Instructors (PADI) Open Water SCUBA Diver
(Cert. for Underwater Inspections)
National Association of Underwater Instructors (NAUI) Open Water SCUBA
Diver (Cert. for Underwater Inspections)



Practice Areas: Civil,
Structural
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KEVIN L. RENS, PH.D., PE

WORK HISTORY

Associate Professor, *University of Colorado, Denver, CO*, 2001-present
Engineering Consultant, *Western Engineering & Research Corporation*, 1997 to present
Assistant Professor, *University of Colorado, Denver, CO*, 1995-2001
Engineering Consultant, *Analytical Engineering, Inc.*, 1996 to 1997
Staff Engineer, *Todd and Sargent, Inc.*, 1994 to 1995
Research Assistant, *Iowa State University*, 1988 to 1995

STRUCTURAL ENGINEERING

Dr. Rens conducts analyses of structural systems ranging from simple structures to complex systems. He evaluates commercial and residential building collapses and structural failures. He also analyzes, tests and inspects concrete structures and other structural systems. Dr. Rens has inspected over 80 locks and dams on navigable waterways and numerous bridges. He has tested a variety of materials including wood, various metals and concrete. Dr. Rens has conducted inspections and analyses related to concrete life cycles.

SELECTED RECENT PUBLICATIONS

Allen, B.J., & K.L. Rens, *Nondestructive Evaluation of 6th Avenue Viaduct using Strain Gages*, Journal of Performance of Constructed Facilities, ASCE (2004).
Rens, K.L., C. Nogueira, & D.J. Transue, *Bridge Evaluation and Nondestructive Evaluation*, *The Denver Management System*, Journal of Performance of Constructed Facilities, ASCE (2005).
Delatte, N. & K.L. Rens, *Forensics and Case Studies in Civil Engineering Education: State-of-the-Art*, Journal of Performance of Constructed Facilities, ASCE, Volume 16, Number 3, pp 98-109, (2002).
Mohamed, O. & K.L. Rens, *Ultrasonic Testing of Properties of 50 Year Old Concrete Materials Evaluation: An Official Journal of the American Society for Nondestructive Evaluation*, ASNT, Volume 59, Number 12, (2001).
Mohamed, O., K.L. Rens, & J.J. Stalnaker, *Time Effect of Alkali-Aggregate Reaction on the Performance of Concrete* Journal of Materials in Civil Engineering, ASCE, Volume 13, Number 2, pp 143-151, (2001).

AFFILIATIONS

American Society of Civil Engineers (ASCE)
American Society for Nondestructive Testing (ASNT)
Technical Council of Forensic Engineers (ASCE)
Tau Beta Pi, Chi Epsilon, Phi Kappa Phi, Sigma Xi, Golden Key