ATC NEWS BULLETIN

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ATC CONDUCTS FIRST AWARDS DINNER

The first Applied Technology Council Awards Dinner, held on July 18th, 1998 at the San Francisco Marriott was conceived to honor certain ATC project participants for extraordinary service on completed ATC projects, to raise additional funds for ATC's Henry J. Degenkolb Memorial Endowment Fund, and to honor the memory of deceased former ATC president, Nick Forell.

For the first Awards Ceremony, two award categories were defined. The "ATC Award for Excellence"—ATC's premier award—recognizes individuals for extraordinary achievement in a given technical area or other ATC activity. The second Award category recognizes "Significant Contributions" on a major ATC project. In selecting award winners, the ATC Awards Committee considered participants in all completed ATC projects since ATC's inception in the early 1970s. Staff and Directors involved in the selection process were not eligible to receive an award.

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ATC Award Recipients

Back Row: C. Thiel, R. Gallagher, U. Morelli, W. Holmes, R. Hamburger, J. Moehle, C. Kircher, R. Nutt, C. Scawthorn, C. Comartin, M. Power, J. Coil

Front Row: J. Nicoletti, M. Mehrain, D. Abrams, D. Shapiro, L. Reaveley, A. Kiremidjian, D. Foutch, J. Keaton, T. Atkinson, P. Scholl, C. Arnold, R. Mayes

Not Pictured: A. Ross, R. Sharpe, R. Niewiarowski, C. Poland

ATC AND THE AMERICAN ASSOCIATION FOR WIND ENGINEERING SIGN MEMORANDUM OF UNDERSTANDING

In a Memorandum of Understanding (MOU) signed in August, 1998, the Applied Technology Council and the American Association for Wind Engineering (AAWE) agreed, in principal, to seek and perform wind engineering research and application projects jointly, including wind storm reconnaissance investigations.

The intent of the MOU is to create a partnership that can respond to the urgent public need for improved techniques and procedures in wind engineering, and for systematic documentation of the effects of wind storms on the built environment, including correlations of wind speed, building system attributes, and building performance.

Each organization brings to the partnership special and unique capabilities. The purpose of AAWE is to promote and perform wind engineering research and education, and AAWE membership consists of researchers and design professionals. ATC identifies and develops state-of-the-art engineering resources and applications for use by design professionals, develops consensus opinions on natural disaster mitigation issues, and has extensive experience in managing complex technical projects involving the nation's leading structural engineering design professionals and researchers.

The MOU was signed by Michael P. Gaus, AAWE President, and Charles H. Thornton, ATC President.

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ATC Executive Director: Christopher Rojahn, Deputy Executive Director: A. Gerald Brady, News Bulletin Production: Peter Mork

PARTICIPANTS HONORED

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The dinner was attended by approximately 130 members of the engineering and scientific community (and their guests). ATC Board members in attendance included: Charles H. Thornton (President), C. Mark Saunders (Awards Dinner Chairman and Past President), Edwin T. Dean (Vice President), Andrew T. Merovich (Secretary / Treasurer), James R. Cagley, Arthur N.L. Chiu, Robert G. Dean, Kenneth A. Luttrell, Newland J. Malmquist, Stephen H. Pelham, Richard J. Phillips, Charles W. Roeder, and Jonathan G. Shipp.

Awards were presented to the following individuals in a ceremony hosted by ATC Board President, Charles Thornton and ATC Executive Director, Christopher Rojahn:

ATC AWARDS FOR EXCELLENCE

Anne S. Kiremidjian
EXTRAORDINARY ACHIEVEMENT IN EARTHQUAKE DAMAGE AND LOSS ESTIMATION

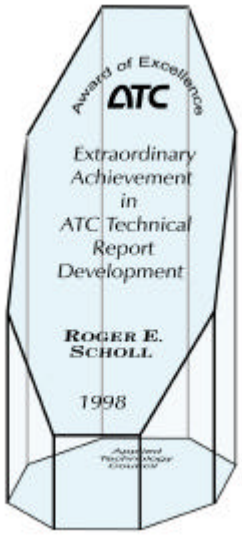
Professor Anne Kiremidjian, Department of Civil Engineering, Stanford University, was honored for her technical contributions on the ATC-13 Project, "Development of Earthquake Damage Evaluation Data for California." As the Consultant on Statistics and Probability, Anne conceptualized and led the development of the ATC-13 expert-opinion damage probability matrices, which have become the industry standard for earthquake insurance portfolio analysis nationwide.

Maurice S. Power
EXTRAORDINARY ACHIEVEMENT IN TRANSFERRING EARTH SCIENCE RESEARCH INFORMATION TO DESIGN PRACTITIONERS

Mr. Maurice Power, Geomatrix Consultants, San Francisco, was honored for his leadership as Co-Principal Investigator and Project Director on the ATC-35 Project, "Enhancing the Transfer of Earth Science Research Results to Engineering Practice." The award also recognizes Maury for his significant contributions in advancing the state-of-the-art and acceptance of seismic hazard maps for use in design.

Charles C. Thiel, Jr.
EXTRAORDINARY ACHIEVEMENT IN TRANSFERRING EARTH SCIENCE RESEARCH INFORMATION TO DESIGN PRACTITIONERS

Dr. Charles C. Thiel, Telesis Consultants, Piedmont, California, who served as Co-Principal Investigator on the ATC-35 Project, was honored for his creative thinking in defining mechanisms for technology transfer and for conceiving the recently commenced Ground Motion Initiative to improve how strong ground shaking is characterized for design.



Typical ATC Award for Excellence

Ronald L. Mayes
EXTRAORDINARY ACHIEVEMENT IN SEISMIC DESIGN AND RETROFIT OF BRIDGES

Dr. Ronald L. Mayes, Consulting Engineer, Moraga, California, was honored for his leadership as Project Technical Director on the ATC-6 Project, "Preparation of *Seismic Design Guidelines for Highway Bridges"* and as Co-Project Technical Director on the ATC-6-2 Project, "Development of *Seismic Retrofitting Guidelines for Highway Bridges*." The ATC-6 report was adopted in 1991 as the American Association for State Highway and Transportation Officials design specification for all federally funded bridges nationwide.

Richard V. Nutt
EXTRAORDINARY ACHIEVEMENT IN SEISMIC DESIGN AND RETROFIT OF BRIDGES

Mr. Richard V. Nutt, Consulting Structural Engineer, Orangevale, California, was honored for his leadership as Project Manager on the ATC-32 Project, "Development of Improved Seismic Design Criteria for Bridges Designed by the California Department of Transportation," and as Co-Project Technical Director on the ATC-6-2 Project, "Development of Seismic Retrofitting Guidelines for Highway Bridges."

Chris D. Poland
EXTRAORDINARY ACHIEVEMENT IN SEISMIC EVALUATION OF BUILDINGS

Mr. Chris D. Poland, Degenkolb Engineers, San Francisco, was honored for conceptualizing and leading the development of the technical procedures embodied in the ATC-14 Report, *Evaluating the Seismic Resistance of Existing Buildings*." The ATC-14 report serves as the basis for the National Earthquake Hazards Reduction Program (NEHRP) *Handbook for the Seismic Evaluation of Buildings* (FEMA 178 Report).

Charles R. Scawthorn
EXTRAORDINARY ACHIEVEMENT IN SEISMIC EVALUATION OF BUILDINGS

Dr. Charles R. Scawthorn, EQE International, San Francisco, was honored for conceptualizing and leading the development of the technical procedures embodied in the ATC-21 Report, *Rapid Visual Screening of Buildings for Potential Seismic Hazards: A Handbook* (FEMA 154 Report). The concept of performance modification factors and bench mark design dates arose from this project.

Daniel Shapiro
EXTRAORDINARY ACHIEVEMENT IN SEISMIC REHABILITATION OF BUILDINGS

Mr. Daniel Shapiro, SOHA Engineers, San Francisco, was honored for his leadership as Project Director on the ATC-33 Project to prepare the *NEHRP Guidelines for the Seismic Rehabilitation of Buildings* (FEMA 273 Report). These state-of-the-art *Guidelines*, prepared under subcontract to the Building Seismic Safety Council, are expected to serve as the national specification for building seismic rehabilitation for the next several decades.

Lawrence D. Reaveley
EXTRAORDINARY ACHIEVEMENT IN SEISMIC REHABILITATION OF BUILDINGS

Prof. Lawrence D. Reaveley, Department of Civil Engineering, University of Utah, Salt Lake City, was honored for his service as Co-Project Director on the ATC-33 Project, preparation of the *NEHRP Guidelines for the Seismic Rehabilitation of Buildings* (FEMA 273 Report), and for his technical contributions as Co-Leader of the Concrete Team.

William T. Holmes
EXTRAORDINARY ACHIEVEMENT IN SEISMIC REHABILITATION OF BUILDINGS

Mr. William Holmes, Rutherford & Chekene, San Francisco was honored for his service as a member of the Senior Technical Committee on the ATC-33 Project, preparation of the *NEHRP Guidelines for the Seismic Rehabilitation of Buildings* (FEMA 273 Report). Bill served as the Senior Technical Advisor and conceptualized many of the innovative features in the Guidelines.

Jack P. Moehle
EXTRAORDINARY ACHIEVEMENT IN SEISMIC REHABILITATION OF BUILDINGS

Prof. Jack P. Moehle, Department of Civil Engineering, University of California at Berkeley, was honored for his service as a member of the Senior Technical Committee on the ATC-33 Project, preparation of the *NEHRP Guidelines for the Seismic Rehabilitation of Buildings* (FEMA 273 Report). Jack served as Technical Advisor and is recognized for his leadership in the development of analysis methods and for his technical contributions as Co-Leader of the Concrete Team.

Ronald P. Gallagher
EXTRAORDINARY ACHIEVEMENT IN POSTEARTHQUAKE SAFETY EVALUATION OF BUILDINGS

Mr. Ronald P. Gallagher, R. P. Gallagher & Associates, San Francisco, was honored for conceptualizing and leading the development of the technical procedures embodied in the ATC-20 Report, *Procedures for Postearthquake Safety Evaluation of Buildings*," and for demonstrating the methodology in 24 separately published case studies The ATC-20 report has become the de-facto national standard for postearthquake safety evaluation of buildings.

Roland L. Sharpe
EXTRAORDINARY ACHIEVEMENT IN SEISMIC DESIGN OF NEW BUILDINGS

Mr. Roland L. Sharpe, Consulting Structural Engineer, Los Altos, California, was honored for his leadership as Project Director on the ATC-3 Project to prepare *Tentative Provisions for the Development of Seismic Regulations for Buildings*, and for his voluntary service as co-chairman of seven U.S.-Japan Workshops on Improvement of Structural Design and Construction Practices (1984-1996). The ATC-3 report serves as the basis for seismic design building codes in this country.

Joseph P. Nicoletti
EXTRAORDINARY SERVICES AS PROJECT ENGINEERING PANEL (PEP) MEMBER

Mr. Joseph P. Nicoletti, URS/ Greiner, San Francisco, was honored for his exceptional service on the following Project Engineering Panels: ATC-5, *Guidelines for Seismic Design and Construction of Single-Story Masonry Dwellings in Seismic Zone 2*; ATC-24, *Guidelines for Cyclic Seismic Testing of Components of Steel Structures*; ATC-26,

Ugo Morelli, receiving award from ATC Board President, Charles Thornton.

"National Program for the Seismic Evaluation and Rehabilitation of Postal Service Buildings"; ATC-28, "Identification and Resolution of Technical Issues Pertinent to the Preparation of Seismic Rehabilitation Guidelines for Buildings"; ATC-32, "Improved Seismic Design Criteria for California Bridges"; and ATC-34, *A Critical Review of Current Approaches to Earthquake Resistant Design*.

Roger E. Scholl
EXTRAORDINARY ACHIEVEMENT IN ATC TECHNICAL REPORT DEVELOPMENT

Dr. Roger E. Scholl (deceased), Consulting Structural Engineer, Redwood City, California, was honored for his technical contributions as report preparation consultant on several major ATC projects: ATC-4, *A Methodology for Seismic Design and Construction of Single-Family Dwellings*; ATC-13, *Earthquake Damage Evaluation Data for California*; and ATC-33 Preparation of *Guidelines for the Seismic Rehabilitation of Buildings*.

Craig D. Comartin
TECHNICAL MANAGEMENT OF THE AWARD-WINNING ATC-40 PROJECT

Mr. Craig D. Comartin, Craig Comartin Consulting Engineers, Stockton, California, who also serves

as ATC Senior Structural Consultant, was honored for his leadership as Principal Investigator on the ATC-40 Project, "Development of Procedures for Seismic Evaluation and Retrofit of Concrete Buildings." The ATC-40 report received the 1997 Western States Seismic Policy Council Award for the Best New Technology.

Richard W. Niewiarowski
TECHNICAL MANAGEMENT OF THE AWARD-WINNING ATC-40 PROJECT

Mr. Richard W. Niewiarowski, Rutherford & Chekene, San Francisco, was honored for his leadership as Co-Principal Investigator and Project Director on the ATC-40 Project, "Development of Procedures for Seismic Evaluation and Retrofit of Concrete Buildings." The ATC-40 report received the 1997 Western States Seismic Policy Council Award for the Best New Technology.

Ugo Morelli
EXTRAORDINARY CONTRIBUTIONS AS PROJECT OFFICER

Mr. Ugo Morelli, Federal Emergency Management Agency, Washington, DC, was honored for his leadership, dedication, and patience as the FEMA Project Officer on a wide variety of ATC projects involving seismic evaluation and rehabilitation of existing buildings, and for his widely recognized skills as a FEMA Earthquake Hazards Reduction Program Manager.

Thomas G. Atkinson
EXTRAORDINARY LIFETIME CONTRIBUTIONS TO ATC PROJECTS AND BOARD OF DIRECTORS

Mr. Thomas G. Atkinson, Consulting Structural Engineer, San Diego, California, was honored for his substantial contributions as ATC Board Representative and member of the Senior Technical Committee on the ATC-33 Project, preparation of the *NEHRP Guidelines for the Seismic Rehabilitation of Buildings* (FEMA 273 Report). Tom was also recog-nized for his service as the ATC Board Representative on the ATC-3, ATC-4, and ATC-26 Projects, and for his significant contributions as ATC Board President.

Arthur E. Ross
EXTRAORDINARY LIFETIME CONTRIBUTIONS TO ATC PROJECTS AND BOARD OF DIRECTORS

Mr. Arthur E. Ross, Arthur E. Ross, Inc., Sacramento, California, was honored for his determined and effective promotion of the need for the SAC Phase I Project to Reduce the Earthquake Hazards of Steel Moment-Resisting Frame Structures, for his dedicated service as chair of the SAC Phase I Joint Venture Management Committee, and for his significant contributions as ATC Board President.

AWARDS FOR SIGNIFICANT CONTRIBUTIONS AS TEAM LEADER ON ATC-33: PREPARATION OF GUIDELINES FOR THE SEISMIC REHABILITATION OF BUILDINGS

Daniel P. Abrams
University of Illinois at Urbana
MASONRY TEAM LEADER

Christopher Arnold
Building Systems Development, Palo Alto, California
NONSTRUCTURAL COMPONENTS TEAM LEADER

John M. Coil
John Coil Associates, Santa Ana, California
WOOD TEAM LEADER

Douglas A. Foutch
University of Illinois at Urbana
STEEL TEAM LEADER

Ronald O. Hamburger
EQE Int'l, San Francisco, California
GENERAL REQUIREMENTS TEAM LEADER

Jeffrey R. Keaton
AGRA Earth & Environmental, Phoenix, Arizona
GEOTECHNICAL AND FOUNDATIONS TEAM LEADER

Charles A. Kircher
Kircher & Associates, Mountain View, California
NEW TECHNOLOGIES TEAM LEADER

Michael Mehrain
Dames & Moore, Los Angeles, California
LOADS AND FORCES TEAM LEADER

Richard Atkinson (deceased)
Atkinson-Noland & Associates, Boulder, Colorado
QUALIFICATION OF IN-PLACE MATERIALS LEAD CONSULTANT

UPCOMING ATC REPORTS

ATC-43: Results from the ATC-43 Project, "Evaluation and Repair of Earthquake Damaged Concrete and Masonry Wall Buildings," are scheduled to be released by the Federal Emergency Management Agency in early 1999.

- The FEMA 306 report, *Evaluation of Earthquake Damaged Concrete and Masonry Wall Buildings, Basic Procedures Manual*, provides guidance on evaluation of damage and performance analysis and includes component damage classification guides, and test and inspection guides.
- FEMA 307, *Evaluation of Earthquake Damaged Concrete and Masonry Wall Buildings, Technical Resources*, contains supplemental information, including results from a theoretical analysis of the effects of prior damage on single-degree-of-freedom mathematical models, additional background information on the component guides, and an example of the application of the basic procedures.
- FEMA 308, *The Repair of Earthquake Damaged Concrete and Masonry Wall Buildings*, discusses the technical and policy issues pertaining to the repair of earthquake damaged buildings.

The reports have been written for an intended audience of design engineers, building owners, building regulatory officials, and government agencies.