

## SEMINAR ATTENDANCE

of

Thomas L. Liston, P.E., Mechanical Engineer

- 2-23-2011 "Title 24 2008 Nonresidential Building Envelope Requirements" by Martyn Dodd, Energy Soft, LLC ... a 3-hour presentation @ Pacific Energy Center by PG&E, San Francisco.
- 1-19-2011 "Trial Preparation: Will Extrapolation Work?" a panel presentation by two defense attorneys (Jill Lifter of Ryan & Lifter and Geoff Wood of Ericksen Arbuthnot), a data management expert (Jared Milligan of Pacific E Doc) and a trial exhibit expert (David Rosenthal of Legal Vision).... a 1.5-hour presentation at Western Consultants' Association dinner meeting.
- 10-20-2010 "California Residential Building Codes" on 2010 Mandatory Green Building Standards by Robert E. Raymer, P.E. of California Building Industry Association ... a 1.5-hour talk at Western Consultants' Association dinner meeting.
- 10-13-2010 Trane TR200 Adjustable Frequency Drives startup certification, an all-day seminar at Trane office in Sunnyvale, California. 1.00 CEU
- 5-13-2009 "2009 Technical Seminar" by American Society of Plumbing Engineers, San Francisco Chapter, 1:00 to 5:15 PM, including:  
1st: Sustainable Design Focusing of Plumbing, including:  
Rainwater collection and re-use.  
Sewer Mining and water re-use for cooling towers and toilets.  
Reverse osmosis for cooling towers  
Low-flow & zero-flow fixtures.  
Condensate recovery  
MSR vs MBR water treatment (multi-water re-uses vs membrane bio-reactor)  
2nd: Radiant Heating and Cooling  
3rd: Combination Solar Domestic Water Heating & Radiant Heating.
- 1-09-2009 "Understanding the New Generation of AIA standard Contract Forms" an all-day Lorman seminar by Jeffrey A. Sykes, David K. Ismay & Anthony P. Schoenberg, attorneys with Farella Braun + Martel LLP of San Francisco.

- 10-15-2008 "View from the bench: Expert witnesses as teachers of complex ideas", a 2-hour lecture by Honorable Patricia M. Lucas at Forensic Expert Witness Association meeting.
- 10-07-2008 "Ice Storage", an afternoon seminar by Trane, Systecon, and Calmac companies covering the LEED advantages and energy conservation and optimized time-of-day use of ice for air conditioning.
- 9/17/2008 "Building Codes" an all-day Lorman seminar with emphasis on compliance in San Francisco given by Richard A. Holderness, Esq., Raymond M. Buddie, Esq, Ronald O. Hamburger, SE and Patrick F. Otellini. 6.0 CECs
- 8/14/2008 "Green or Sustainable Construction in California" by Jeffrey S. Conner, Esq, William C. Ferree, CIC, Brian J. Larkin, P.E. & Todd J. Wenzel, Esq, all for Lorman Education Services. An all-day seminar at Grand Hyatt in San Francisco.
- 5/9/2007 "Medical Gas Piping Design for Hospital Renovation Projects" by Dale Terry & Tim Domer of FS Medical (Presentation developed by Mark Allen of Beacon Medaes), a 4-hour seminar @ Scottish Rites Temple, Oakland
- 5/3/2007 " Building System Commissioning" by Duane Davies of National Air Balance Company before Construction Specifications Institute, Santa Clara Valley Chapter dinner meeting ... a 1.5-hour presentation.
- 3/13/2007 "Green Sustainable HVAC design", a 2-hour lecture @ San Jose ASHRAE dinner meeting by Julian R. de Bullet of McQuay International.
- 3/14/2007 "Variable Speed Booster Pump Systems", a 2-hour lecture @ San Francisco ASPE dinner meeting by Bob Polizzi of California Hydronics
- 3/1/2007 "Specifying Direct Digital Controls", a 6.5-hour class @ PG&E's Pacific Energy Center in San Francisco by Jay Santos, P.E. of Facility Dynamics Engineering of Columbia MD.12/13/2006 "Fundamentals of Solar Electric Systems" by Darren Bouton of the Pacific Energy Center @ Joint San Jose/ Golden Gate ASHRAE dinner meeting.
- 11/09/2006 "CPVC Piping & Code Updates" lecture @ ASPE meeting in Berkeley by Harry Moss of Noveon, Inc. ... a 2-hour presentation on the various types and features of CPVC

- 7/14/06 "Fire/Explosion Cause & Origin Investigations in California", an all-day seminar by Lorman presented by Cholakian, Stephen C. Chuck, Russell D. Melton, T. Eric Sun, Mark J. Svare, Joseph P. Toscano & Joe Urbas @ Crown Plaza Union Square, San Francisco
- 4/06/06 "Real Evidence for the Trial Practitioner in California", an all-day event by Lorman presented by Mary E. Alexander, Hon. Robert L. Dondero, Craig Needham and Frank M. Pitre in San Francisco.
- 3/08/06 "Diesel Fuel Oil Systems" by Fuel Oil Systems company of Hayward and "Recirculating Domestic Hot Water Systems" by California Hydronics Corporations given at ASPE Seminar, San Francisco. A noon to 5 PM session.
- 1/11, 12 & 13/2006 "California Home Energy Efficiency Rating Services Core Rater Certification Training", a 3-day course in Lathrup, California. Qualified as a Home Energy Rater, California certification CCN32684641.
- 7-18, 19 & 20-2005 "Fire Related Explosions", a 3-day event by California Conference of Arson Investigators at Camp San Luis Obispo.
- 2-10-05 "The Fundamentals of Construction Contracts: Understanding the Issues" by Lorman with attorneys Michael Cole, Neil O'Donnel, Robert Osier, David Tomlinson & Constance Riedinger @ Crown Plaza Union Square, San Francisco. A full-day seminar.
- 1-18-05 "Construction Management/Design-Build in California" by Lorman Education Services by Charles N. Juliana, Esq, Brian J. Larkin, P.E. & Alann M. Ramirez, P.E. in Pan Pacific Hotel, San Francisco. A full-day seminar.
- 10-13-04 "Energy Efficient Design of Cleanroom Facilities" by Peter Rumsey of Rumsey Engineers, Inc., sponsored by City of San Jose and by PG&E. A half-day seminar at West Valley Library, San Jose
- 3-25-04 "Expert Report Writing Workshop" by Steven Babitsky, Esq. of SEAK, Inc. ... an all-day seminar @ The Sutton Place Hotel, Newport Beach, Ca.
- 3-14-03 "Basics of Photovoltaic (PV) Electric Systems", an all-day seminar by Pacific Energy Center in San Jose by Darren Bouton of the City of San Jose.

- 1-23-03 "Risk Allocation & Dispute Minimization on Complex Construction Projects in California", a 1-day seminar by Lorman Education Services in Santa Clara, California by 5 attorneys.
- 10-16-02 "Direct Digital Controls 203: Control Retrofits", a 1-day seminar by Hydeman & Taylor of Taylor Engineering @ PG&E Energy Center, San Francisco. 8-13-02 "Solving Water Intrusion & Mold Problems in California", a 1-day seminar featuring talks by Peter V. Dessau, Esq., on health legal implications; Ronald J. Cook, Esq on legal & insurance ramifications of mold & rot, Tim Bormann, CIH on mold & remediation; Scott Buckles, A.I.A., on sources of water intrusion. A 6-hour program = 6.0 learning unit hours.
- 7-22-24-2002 "Live Burn Exercise" by California Conference of Arson Investigators, a 3-day seminar which covered one day of deliberate structure fires, one day of lectures on alarm systems, vehicle fires, electrical fire indicators, fire dynamics, and a open legal forum, plus a final day on fire dynamics and testing processes. Held at Embassy Suites Hotel, Seaside, California. There were 335 attendees.
- 6-20-02 "Energy Conservation Measures for Clean Rooms" by Sargon Ishaya of Therma Corporation, a 1½-hour lecture followed by a 1½ hour tour of sheetmetal and pipe fabrication facility.
- 6/14&15/2001 "10<sup>th</sup> Anniversary National Expert Witness & Litigation Seminar" by SEAK, Inc., at Sheraton Hyannis Resort, Hyannis, Cape Cod, Massachusetts, a 2-day seminar.
- 3/13/2001 "California Special Steam Boilers" by Parker Boiler & by San Jose Boiler Works at ASHRAE dinner meeting, 1-hour.
- 3/6/2001 "Pipefitting Installation & Maintenance" by National Technology Transfer, Inc. @ Holiday Inn Great America, an all-day seminar.
- 2/28/2001 "QuickBooks Introductory Training" by Bridge Office & Business Solutions, San Jose, a 3-hour seminar on the primary U.S. program for small business bookkeeping.
- 7/11&12/2000 "July 2000 Fire/Arson Hands-On Training Seminar" a 3-day event by California Conference of Arson Investigators in San Louis Obispo.
- 3/14/00 "Cleanroom HVAC Systems" by Kent W. Peterson, P.E. @ ASHRAE San Jose chapter meeting.

- 7/29/99 "1998 California Non-residential Title 24 Energy Efficiency Standards", co-sponsored by PG&E & by California Energy Commission. Speaker: Martyn Dodd of Gabel Dodd/EnergySoft. An all-day seminar @ Santa Clara Marriott.
- 4/27/99 Taught "Certified Plant Engineer Training/Review" class on "HVAC/Energy Conservation" ... 3 hours @ Biltmore Hotel, Santa Clara.
- 4/12/99 "Carrier Corporation Product Show & Seminars on IAQ w UV-C lamps, HFC134a, roof-top units by Carrier representatives @ DoubleTree, San Jose. A one-day seminar.
- 2/4/99 "Chilled Water Plant Optimization Forum: Issues, Tools & Techniques" by PG&E, Trane & York @ PG&E Energy Center, San Francisco. A one-day seminar.
- 6/11/98 "Airflow Modeling" by Flomerics @ Silicon Graphics, Sunnyvale. A one-day program on air flow modeling, particularly for clean rooms, via computer programs solving Navier-Stokes equations in 3D.
- 2/7/97 - 2/8/97 "Western Hydronic Tradeshow & Conference" by Radiant Panel Association @ Asilomar Conference Grounds, Monterey, California. A two-day program featuring lectures on hydronic heating by professional engineers and by manufacturers' representatives.
- 9/19/96 - 9/20/96 "Fundamentals of Lighting Efficiency" by Association of Energy Engineers, an intensive two-day seminar on lighting efficiency basics given at Harrah's, Las Vegas. On 9/21/96, sat for and passed 4-hour exam for "Certified Lighting Efficiency Professional".
- 11/2/95 - 11/5/95 National Forensic Center, 12th Annual National Conference, San Diego, California. Three days of workshops, lectures and talks by judges, lawyers & other experts.
- 5/5/95 "Construction Defect Litigation and Insurance Issues" by Consumer Attorneys of California, a 1-day seminar at Hilton Hotel, Oakland. Speakers included John Griffith, Special Master.
- 5/4/95 "Indoor Air Quality" @ ASHRAE Chapters' Regional Conference by Carl Jordan, P.E.; Clark Bisel, P.E.; Bob Linford, P.E., PhD; Bud Offermann, P.E., C.I.H.; John Spassof; Jerry Weisbach, FAIA, Esq.

- 2/15/95 "Architect-Engineer Malpractice"  
One-day seminar in San Jose, CA by  
Gary R. Nagle, John R. Griffiths, George Sinclair, William L. Nagle,  
Edward F. Diekmann, William Pagano by Lorman Education Services of  
Eau Claire, Wisconsin
- 4/15/94 "'95 Energy Efficiency Standards Overview"  
One-day seminar on California Title 24 by  
Jon Leber & Dee Anne Ross of Calif. Energy Commission
- 9/13/93 Trane Company Pueblo, Colorado Plant Tour, a half-day of lectures  
and tour of Trane's Series R CenTraVac helirotor chiller plant.
- 1/29/93 "Refrigeration System Equipment Room Design"  
by James Poole, P.E. of Trane Company
- 5/1/-5/2/92 "Chillers & Changes for the 90's" & "Building Automation &  
Efficiency" for Refrigeration Service Engineers' Society at Santa Clara  
Convention Center by Trane Company speakers
- 4/24/92 & 4/25/92 "The Role of Expert Witnesses in the 1900s" by Seak, Inc. at  
Hyatt Regency San Francisco.
- 4/01/92 & 4/2/92 "Mechanical & Electrical Cost Estimating" by John J. Maylan  
for R.S. Means Company @ Hyatt at Fisherman's Wharf, San Francisco (2-days)
- 3/04/92 & 3/5/92 "Diagnosing & Mitigating Indoor Air Quality" by Francis J.  
Offermann, III, P.E. for American Energy Engineers @ Sheraton Century,  
Atlanta, GA (2-days)
- 2/26/92 "1992 California Residential Energy Standards"  
by Michael G. Hodgson of ConSol, Inc. for California Building Industry  
Foundation @ Oakland Airport Hilton (1/2-day seminar)
- 11/21/91 "Indoor Air Quality Control" for  
American Association of Energy Engineers  
by Robert Spence of Spence & Associates  
One lecture at Tandem, Cupertino
- 2/7/91 "Design Professionals' Liability" for NSPE  
by Schinnerer @ Mark Hopkins, San Francisco

- 2/4/91- "1991 Construction Law Annual Update"  
2/5/91 for NSPE by Smith, Currie & Hancock of Atlanta  
(a 2-day seminar @ Sheraton, New Orleans)
- 11/13/90 "Anhydrous Ammonia" by  
Gary W. Smith, Fire Chief, Watsonville, Ca  
@ San Jose ASHRAE monthly meeting.
- 11/13/90- "Direct Digital Control of HVAC Monitoring and Control"  
11/14/90 by ASHRAE (national) @ Sunnyvale
- 5/24/90 "Developments in Construction Drawings"  
by San Jose Blueprint  
One half-day @ San Jose
- 5/10/90 "California Non-residential Building Energy Standards"  
by San Jose Chapter ASHRAE &  
by California Energy Commission  
One half day @ Hewlett Packard, Cupertino
- 5/02/90 "Cool Storage & Low Temperature Air System  
Design & Application" by Golden Gate Chapter ASHRAE, PG&E & EPRI  
One day @ PG&E, 245 Market St., San Francisco
- 3/22/90 "Seismic Restraints of Mechanical Systems and  
Plumbing Piping Systems"  
by Sheet Metal & Air Conditioning Contractors'  
National Association  
One half day @ SMACNA, San Jose.
- 3/15/90 "Introduction to the Uniform Building Code"  
by Center for Design Technologies, Minneapolis  
One-day @ Hyatt Rickey's Hotel, Palo Alto
- 2/15/90 "SMACNA Guidelines for Seismic Restraints"  
by Santa Clara District SMACNA  
1/2 day @ Sheet Metal Apprenticeship Center, San Jose
- 2/08/90 "Construction Law Annual Update"  
by NSPE Education Foundation  
by Smith, Currie & Hancock of Atlanta  
One-day @ San Diego

6/22/89 "Forensic Engineering"

by CSPE, by Joseph S. Ward, P.E.

One day @ Radisson Hotel, Manhattan Beach

10/27/88 "Trane Seminar for Consulting Engineers" on Specifying  
Microelectronic Controls for Comfort & Process Systems  
by The Trane Company

10/21/87 "1st National Conference on Energy Efficient Cooling"

10/22/87 by City of San Jose @ San Jose Fairmont

12/11/85 "Hydronic Radiant Floors" by Davis Energy Group, Inc. @ 1-day @  
Hyatt, San Jose