



**MONTANA CHAPTER
INTERNATIONAL ASSOCIATION OF ELECTRICAL INSPECTORS**

To Whom It May Concern:

Re: Continuing Education Meeting March 26 & 27, 2018 Information
Montana Chapter IAEI
Billings Hotel and Convention Center (Formerly the Red Lion), Billings, Montana

Dates: Continuing Education Meeting:

Monday - March 26, 2018

8 Code Hours = 2017 Analysis of Code Changes

or

8 Code Hours = 2017 Soares Grounding & Bonding

Tuesday – March 27, 2018

8 Code Hours = 2017 NEC Code Update & NFPA 70E

Presenters/Teachers of: EC&M 2017 NEC Code Change Conference

Chuck Mello

CDCMELLO Consulting, LLC

Retired Global Field Evaluation Program Manager for Underwriters Laboratories

Chuck Mello received a BS degree in Electrical Power Technology with a co-major in Naval Science from Oregon State University in 1972. After 6 years active duty in the Navy in various positions, he worked for Electro-Test, Inc. from 1977 starting as a Field Engineer, to 2003 where he was then the Manager Conformity Assessment. In between, he held the positions of Senior Field Engineer, Operations Supervisor, Area Manager, and Director of Training and Standards. As a Senior Field Engineer, he relocated and started the **eti** operations in Portland, Oregon.

With the growth of the conformity assessment business, in 1996 Chuck assumed a new corporate position as Manager Conformity Assessment overseeing two NRTL laboratories, field evaluations, SEMI evaluations and CE operations on a corporate wide basis. In January 2004, Chuck went to work for Underwriters Laboratories as the Field Evaluation Program Manager where he is bringing together all of the various entities doing field evaluations within UL to provide rapid response and consistent operations globally.

Chuck holds a Master Electrician license from the State of Colorado. He is a member of IAEI, IEEE and NFPA and presently is the International President on the IAEI International Board of Directors. Chuck has been a student of the National Electrical Code since 1965 and has been a principle member of Code Making Panel 5 since 1996, now in his fifth

cycle. He is a nationally recognized speaker on the NEC, grounding and bonding, high voltage power systems, electrical safety, and field evaluations.

1st Vice President of the International Board of IAEI

Education Chairman for the Oregon Chapter of IAEI

Chuck holds a Master Electrician license from the State of Colorado. He is a member of IAEI, IEEE and NFPA

Chuck Mello holds an electrical engineering degree with a specialty in power systems.

He spent over twenty-five years with Electro-Test Inc. in various field engineering and management positions ending as the Manager Conformity Assessment. In January 2004, Chuck went to work for Underwriters Laboratories as the field evaluation program manager with responsibilities for the UL FE program business and technical aspects globally.

He has over thirty-seven years of experience including field testing, product and system evaluation, commissioning and troubleshooting of numerous and varied electrical products and systems.

Chuck holds a master electrician's license from the state of Colorado.

He is a 30-year member of IAEI, member with IEEE and NFPA and was the 2011 IAEI International President.

Chuck has been a student of the National Electrical Code since 1965 and has been a principal member of Code-Making Panel 5 since 1996, now in his seventh cycle.

He is a nationally recognized speaker on the NEC, grounding and bonding, high-voltage power systems, electrical safety, and field evaluations.

Chuck Retired from his position of Global Field Evaluation Program Manager for Underwriters Laboratories in 2017.

Chuck currently owns and operates CDCMello Consulting, LLC and continues to his Electrical Teaching.

Chuck has been presenting classes for the Montana Chapter since 1999.

Tim McClintock

NFPA – Code Specialist

Employment History

- Principal Member
NEC Code-Making Panel 12

Board Memberships and Affiliations

- Alternate Member
NEC Code-Making Panel 12
- Membership Chair
[International Association of Electrical Inspectors](#)
Board Member
[International Association of Electrical Inspectors](#)
- Board Member
IAEI Western

- Board Member
[Ohio Building Officials Association](#)

2018 – Update from Tim McClintock

Tim McClintock is a Regional Electrical Code Specialist with NFPA. In this role, he provides support to state and local jurisdictions in the adoption and use of the National Electrical Code® and other NFPA electrical codes and standards. He was co-author of the NFPA's 2014 and 2017 NEC® Pocket Guides to Electrical Installations.

Prior to joining NFPA, Tim served as the Chief Building Official and Electrical Inspector for the Wayne County Building Department in Wooster, Ohio for 16 years.

Before that, he worked for nine years as an electrician for McClintock Electric Incorporated.

Tim is actively involved with the International Association of Electrical Inspectors (IAEI), where he currently serves as the Membership Chair for the Western Section and International Membership Committee of IAEI. He served on Code Making Panel 12 for the 2008 and 2011 NEC code development cycle.

Tim also served as Chair of NFPA's Technical Committee on Electrical Equipment Evaluation, which is responsible for NFPA 790, Standard for Competency of Third-Party Field Evaluation Bodies and NFPA 791, Recommended Practice and Procedure for Unlabeled Electrical Equipment.

Tim McClintock

Regional Electrical Code Specialist | **NFPA**

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National Fire Protection Association

The leading information and knowledge resource on fire, electrical and related hazards.

Christine Porter

From 1978 to 1998 I worked in the family electrical contracting business starting as an electrical trainee and working up through project estimating and managing specializing in high end residential remodel and light commercial work. I currently hold a General Electrical Administrators License in the State of Washington: AD01-PORTECT188MC.

In 1999 I was hired by Intertek part time to do Follow Up Services inspections of ETL listed products at the manufacturing facilities. In 2006 I started conducting Field Evaluations of unlisted equipment, and in 2009 I was hired full time to do Field Evaluations as well as to create and conduct NFPA 70 training classes for both internal and external use.

I currently serve on Code Making Panel 5 covering Articles 200, 250, 280, and 285 of NPFA 70, National Electrical Code. I have served on local technical advisory committees for the City of Seattle since the 1996 cycle, and for the State of Washington Labor & Industries for the 2005 and 2008 cycles to produce local amendments to the National Electrical Code.

From 1984 to 2009 I taught a 209 hour/year electrical apprenticeship/trainee 2nd year class as well as 4 hour and 8 hour continuing education classes at the Construction Industry Training Council (CITC) in Bellevue WA. In addition to CITC, In addition to teaching the apprenticeship/trainee classes I continue to teach continuing education classes for CITC, The Electric League of the Pacific Northwest and the Puget Sound Chapter and Northwest Section of the International Association of Electrical Inspectors (IAEI). In 2003 the Associated Builders and Contractors Association named me the National Craft Instructor of the Year.

I have served as the education chair for the Northwest Section of IAEI since 2005 and as the Puget Sound Representative to the NW Section since 1995 as either an Associate Member or as Inspector Member. She served as the Northwestern Section IAEI President in 2016.

Mike Stone

NEMA - Field Representative
West Coast Field Office

SUMMARY OF QUALIFICATIONS

- 25 years of progressively responsible Building Inspection administration experience, 20 years at the supervisory and management level
- Building Official for the City of Watsonville, Acting Building Official for five years at the City of Salinas Permit Center
- Active participation with code organizations IAEI, ICC and CALBO (California Building Officials), served as President/Chairperson for local chapters of IAEI and ICC
- Proven track record of success as an AHJ, responsible for local building code adoptions, amendments and interpretations
- Since 1993, adjunct building and electrical code instructor at Monterey Peninsula, Cabrillo and Hartnell Community Colleges, and electrical apprenticeship instructor for the IBEW/JATC Local 234, Castroville, CA, Apprenticeship Training Center
- Excellent oral and written communications skills as well as public presentation ability
- Broad technical knowledge and extensive experience in the construction industry, including eight years of field experience as an electrician
- Bachelor of Science, Business Administration/Management, 1995, Golden Gate University
- Certifications include ICC Electrical Inspector, Building Official and 5 other categories; State of California General Electrician; IBEW Journeyman Wireman

PROFESSIONAL EXPERIENCE

National Electrical Manufacturers Association – West Coast Field Representative

August 2012 – present

Duties: Represent NEMA in local and regional affairs in the 11 Western states, attend and participate in building and electrical inspector meetings, provide technical instruction, participate in National Electrical Code and other code-related development.

City of Watsonville, California (pop. 50,000) – Building Official

Feb. 2010 to August 2012.

Duties: Administration of municipal building inspection and code enforcement programs

of people supervised: 8

City of Salinas, California (pop. 150,000) - Inspection Services Manager

Oct. 2001 to Jan. 2010.

Duties: Administration of municipal building inspection and code enforcement programs

of people supervised: 25

City of Monterey, California (pop. 32,000) – Sr. Building Inspector, Plans Examiner

Nov. 1987 to Sept. 2001.

Duties: Supervise field inspection staff, examine plans for code compliance

of people supervised: 3

County of Monterey, California – Building Inspector

Sept. 1986 to Oct. 1987.

Electrical Contractors, Various in the Monterey/Salinas area – Electrician

Sept. 1978 to Aug. 1986.

Other Part-time Experience

1993 to 2008:

Adjunct Instructor, Electrical and Building Codes – Cabrillo (Aptos, CA), Monterey Peninsula (Monterey, CA) and Hartnell (Salinas, CA) Community Colleges

Sept. 2010 to May 2012:

Electrical Workers Apprenticeship Instructor – IBEW/JATC Local 234, Castroville, CA

EDUCATION & TRAINING

- Bachelor of Science, Business Administration w/ concentration in Management, Magna Cum Laude honors, 1995, Golden Gate University, Monterey, CA
- Associate of Arts, General Education, 1992, Monterey Peninsula College, Monterey, CA
- IBEW/JATC National Training Institute, 2010 – 2011, University of Michigan, Ann Arbor, MI. 80 hours of apprenticeship instructor training in classroom techniques, presentation skills, use of technology in the classroom.
- Extensive and ongoing professional training in construction codes and standards including the NEC, disabled access standards, green building standards, management and supervisory skills, legal aspects of code administration, mediation skills, other professional and technical topics, 1986 - 2012
- IBEW Local 234, Journeyman Upgrade training, 1981 – 1983

PROFESSIONAL ASSOCIATIONS

- ❖ International Code Council, Monterey Bay Chapter. President, 2005
- ❖ International Association of Electrical Inspectors, Northern California Chapter. Chairman, 2003
- ❖ California Building Officials. Member, Green Building Committee, 2008
- ❖ National Fire Protection Association, Electrical and Building Official Sections
- ❖ International Brotherhood of Electrical Workers Local 234, Castroville, CA, since 1981.

TECHNICAL CERTIFICATIONS & SKILLS

- ✓ ICC Certifications:
 - ❖ Building Official # 1061652-CB
 - ❖ Electrical Inspector # 1061652-20
 - ❖ Building Inspector # 1061652-10
 - ❖ Plans Examiner # 1061652-60
 - ❖ Mechanical Inspector # 1061652-40
 - ❖ Plumbing Inspector # 1061652-30
 - ❖ Combination Inspector # 1061652-50
- ✓ State of California, Division of the State Architect: Certified Access Specialist (CASP) #389
- ✓ State of California, Division of Apprenticeship Standards: Certified General Electrician #151893

IBEW: Journeyman Wireman #D644666