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Committee E29 Particle and Spray Characterization

50th Anniversary

www.astm.org/COMMITTEE/E29

ASTM Committee E29 Particle and Spray Characterization

Fifty-Year History

The organizational meeting of Committee E29 on Particle Size Measurement was held on October 22, 1969 at ASTM Headquarters, Philadelphia, PA, and shaped the scope and bylaws of a new Society committee on particle size measurement, addressing newly-developed analytical methods in particle technology, and the need for standardization of existing methods. The committee organization structure was approved via letter ballot, incorporating the former Subcommittees 10 and 11 of Committee E01 on Methods of Testing.

The following officers and members-at-large of the Executive Committee were elected for the two-year term from June 1970 to June 1972:

- **Chairman** — A. E. Reed
- **Vice-Chairman** — M. R. Jackson
- **Secretary** — Reginald Davies
- **Members-at-Large** — Roger Loveland, Delmar L. Bloem, and Kenneth H. Colville

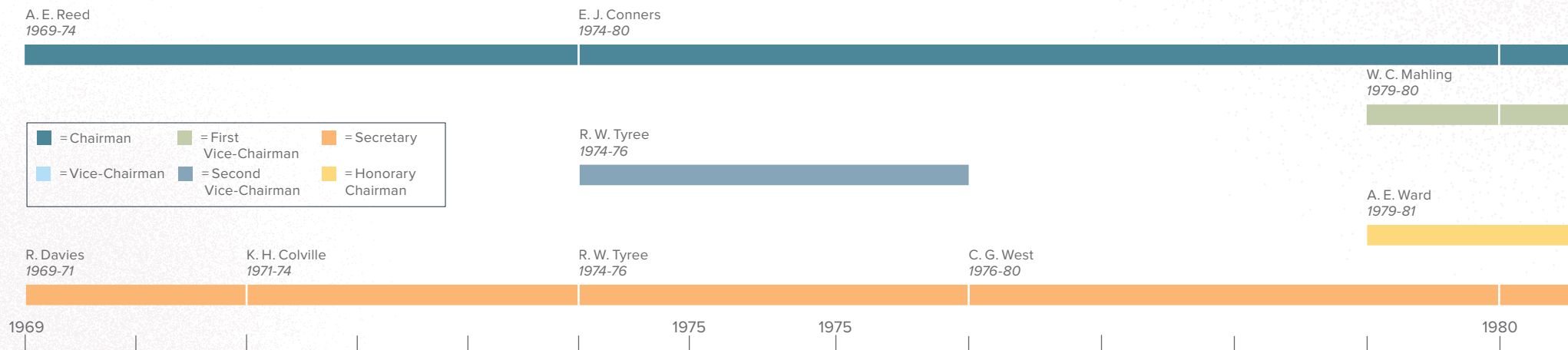
E29 Leadership

E29 has been fortunate to have had excellent leadership throughout its history. The Chairman of E29 is limited to three consecutive two-year terms and most chairmen have served as vice-chairmen, and/or as secretaries, which resulted in significant longevity within the committee.

Two E29 members served in various ASTM leadership opportunities furthering the mission of the ASTM committee.

Frank Venskytis served a term on our Committee on Standards (COS) in 2000-2002. Tony Thornton served a term as a member on COS in 2008-2010, and on the ASTM International Board of Directors in 2011-2013.

E29 Elected Officers Timeline, 1969-Present



Scope

The formulation and specification of methods of particle size measurement.

In 1970, the committee held its first annual meeting in Toronto, Canada, and completed committee recruitment to a membership of 63, and finalized organization of subcommittees and sections. Under direction of the chairman, the bylaws were revised to reflect the Society's membership restructuring.

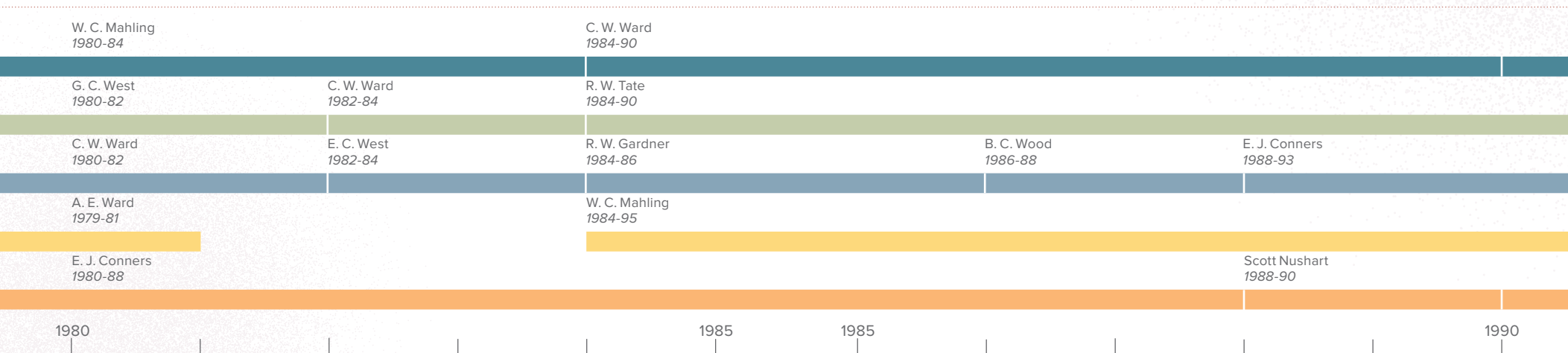
During the first year of the activities of E29 the major emphasis was on combining and incorporating Subcommittees 10 and 11 from Committee E01. Subcommittee E29.02 was formed with the following sections to define the need for and prepare standards:

- **E29.02.01** — Microscopical Methods
- **E29.02.02** — Gas Adsorption Methods
- **E29.02.03** — Permeability Methods
- **E29.02.04** — On-stream Methods
- **E29.02.05** — Sedimentation Methods
- **E29.02.06** — Short Wavelength Methods

In 1993, Subcommittee E29.03 on International Cooperation on Terminology Standards and Methods of Particle Size Measurement (M. R. Jackson, Chairman) was formed and received approval from the American National Standards Institute to act as the official representatives for sub-sieve test methods. E29.03 eventually became the U.S. Technical Advisory Group to ISO Technical Committee 24 on Particle Characterization Including Sieving, providing the U.S. position in the rest of the international standards community. Over the years, the subcommittee structure transformed into four technical subcommittees within E29:

- **E29.01** — Sieves, Sieving Methods, and Screening Media
- **E29.02** — Non-Sieving Methods
- **E29.03** — International Cooperation on Particle and Spray Characterization
- **E29.04** — Liquid Particle Measurement
- **E29.05** — Reference Materials

In 2005, Subcommittee E29.05 was disbanded because its subject matter was handled by the other test method subcommittees. In 2008, Subcommittee E29.04 was disbanded due to insufficient participation, and its methods incorporated into Subcommittee E29.02.



First Standards

- **E11** — Wire Cloth Sieves for Testing Purposes (originally approved in 1925)
- **E161** — Precision Electroformed Sieves (originally approved in 1960)
- **E323** — Perforated Plate Sieves for Testing Purposes (originally approved in 1967)

Today, Specification E11, E29's standard specification for wire cloth test sieves, is one of the most referenced ASTM standards.

Newer standards published by E29 include:

- **E2814** — Specification for Industrial Woven Wire Filter Cloth published in 2011
- **E2872** — Guide for Determining Cross-Section Averaged Characteristics of a Spray Using Laser-Diffraction Instruments in a Wind Tunnel Apparatus published in 2014
- **E2980** — Standard Test Methods for Estimating Average Particle Size of Powders Using Air Permeability published in 2014

Committee E29 currently has 16 approved standards, published in the Annual Book of ASTM Standards, Volume 14.02.

Membership Awards

ASTM has established a set of awards to recognize members for their accomplishments. These awards are presented to members, typically at one of the semi-annual meetings, after nomination by their peers. ASTM International Society Awards are created by the ASTM International Board of Directors to meet specific recognition needs which have broad applications to the overall Society and therefore cannot be addressed by individual technical committees.

Award of Merit

The Award of Merit was established in 1949 by the ASTM International Board of Directors and is the highest society award granted to an individual member for distinguished service and outstanding participation in the ASTM International committee activities. Recipients also receive the honorary title of fellow.

Award of Merit

1987	Arthur B. Backensto*	2000	Frank J. Venskytis
1997	Scott Nushart	2001	W. Brian James
2000	Frank J. Venskytis*	2004	Anthony W. Thornton
2004	Anthony W. Thornton*	2010	Harry D. Ambs
2018	Kenneth Beyer	2011	Craig W. Hudson
1994	J. Charles Webster	2015	Sherri R. Bingert
1996	Victor C. Straub	2018	Joseph Tauber
1999	James W. Kratofil		

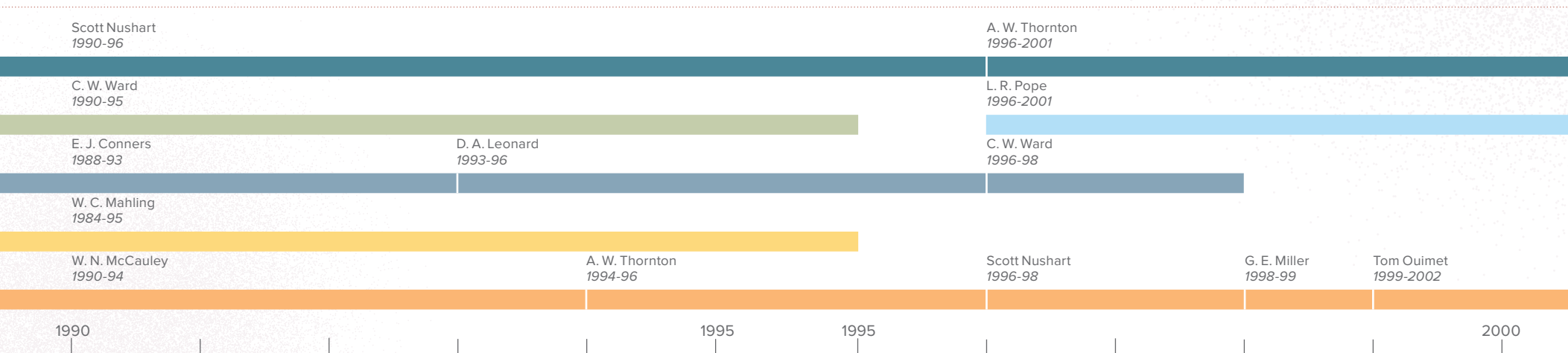
Award of Recognition

2001	Charles Ward
2002	Allan Koster

Distinguished Service Award

2015	Joseph Vasiliou
2016	Kenneth Beyer

*via Committee B09 on Metal Powders and Metal Powder Products



Anniversary Milestones

The following active members have served on Committee E29 for at least the number of years indicated below:

35 Years

Randall William

30 years

Richard Meury
Michael Pohl
Frank Venskytis
Thomas Bassett

25 Years

Tony Thornton

20 Years:

Maurice Cook
Charles Hubbard
Meyer Rosen
Joseph Vasiliou
Kenneth Beyer

15 Years

Trent Smith
Daniel De Lesdernier
Matthias Thommes
James Davis
Richard Campbell
Tod Canty

10 Years

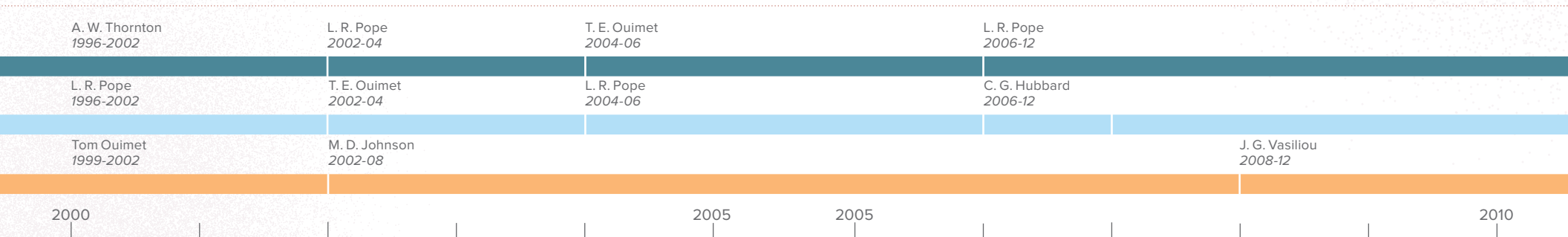
Alan Rawle
Myriam Savard
Jared Lane
Ajaya Ghimire
Dennis Scharer

5 Years

Julie Griffin
Dietmar Lerche
Mang Tia
Keith Mailloux
Bradley Fritz
Lillian Magidow
William Lucas
Mark Ledebuhr

Meeting Locations

In its earlier years, Committee E29 met annually, often at ASTM Fall Committee Weeks or in conjunction with powder/particle technology organization conferences. The committee then moved to semi-annual meetings, due to new testing developments, increased interest in the particle technology community, and the revitalization of E29 that took place after it had languished for several years with little participation. That revitalization can be credited to the almost single-handed efforts of Tony Thornton, later to be chairman of E29 and B09, a member of ASTM's standing Committee on Standards (COS), and a member of the ASTM International Board of Directors. In recent years, E29 has joined Committee B09 on Metal Powders and Metal Powder Products at B09's meeting venues because of the mutual interests.

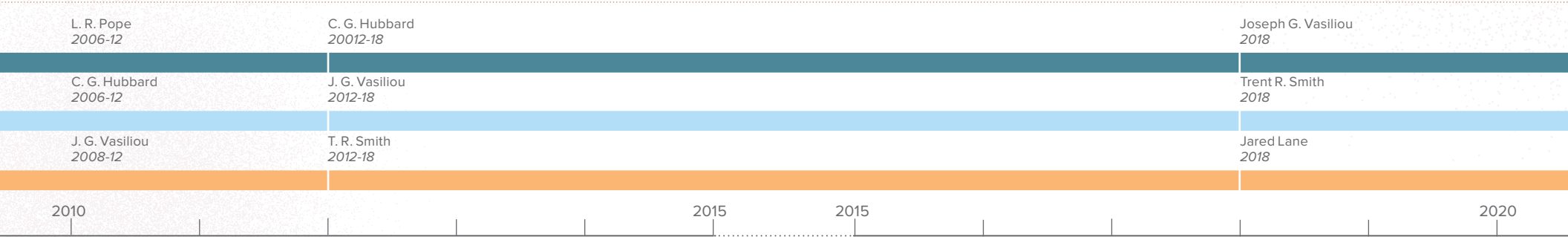
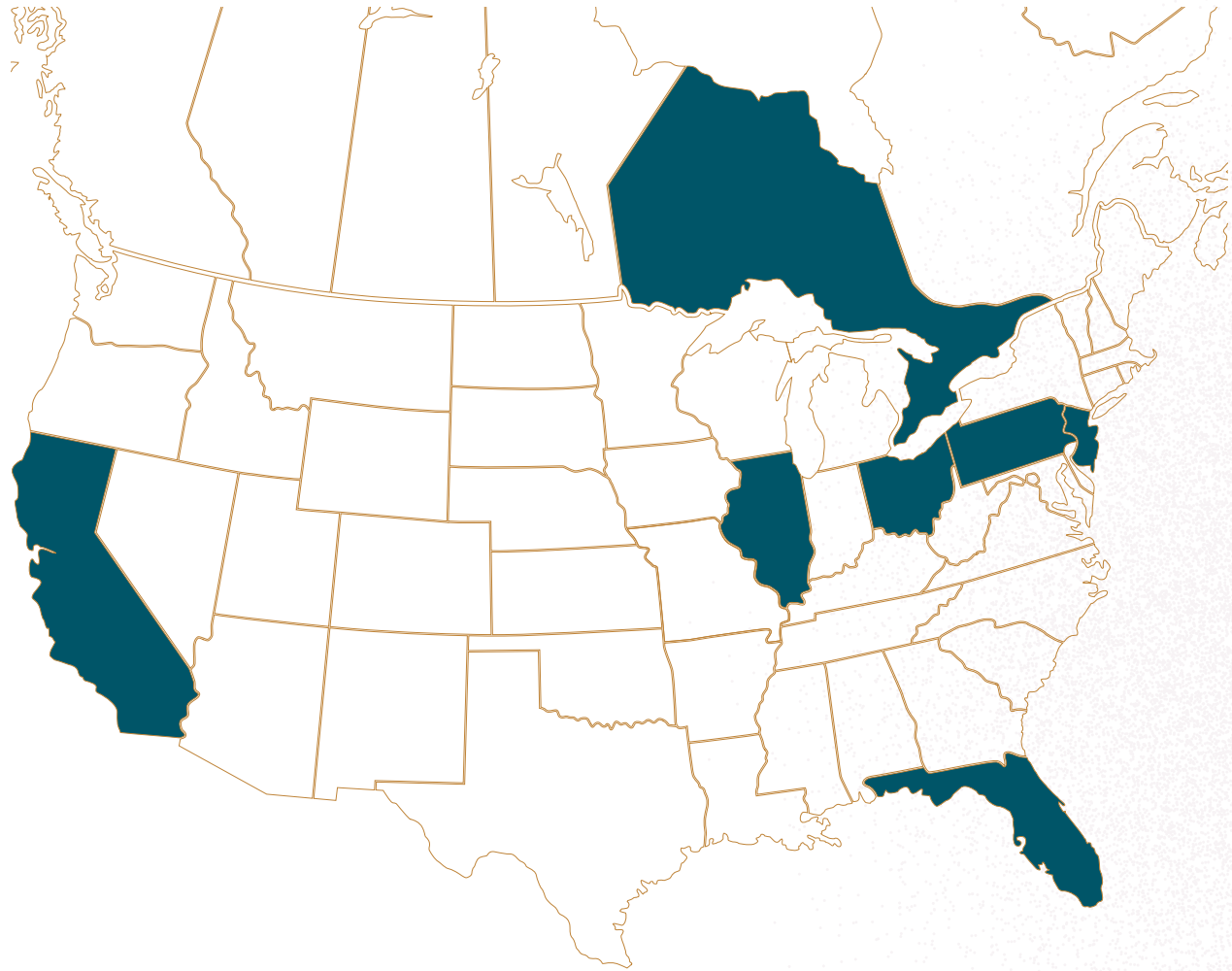


Meeting Locations Since 1969

- California**
Los Angeles - 1972
- Illinois**
Chicago - 1973
- New Jersey**
Atlantic City - 1971
- Ohio**
Cleveland - 1974
- Ontario**
Toronto - 1970
- Pennsylvania**
Philadelphia - 1969

Meeting Locations in Recent Years

- Florida**
Fernandina Beach - 2018, 2019
Fort Lauderdale - 2013
Hollywood - 2014-2017
Orlando - 2016
- Pennsylvania**
Philadelphia - 2012, 2017



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Committed to serving global societal needs, ASTM International positively impacts public health and safety, consumer confidence, and overall quality of life. We integrate consensus standards – developed with our international membership of volunteer technical experts – and innovative services to improve lives... Helping our world work better.

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