



# INSULATED CONDUCTORS COMMITTEE

*Established 1947*

Spring 2010 Meeting, Nashville, TN

# Opening Session



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**Spring 2010 Meeting, Nashville, TN**

Please turn cell phone ringers off



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# **Introduction of Keynote Speaker**

**Austin Tingley,  
Power Engineers**



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# **Nashville Electric Service, Electric Vehicles, and a 69-kV Tunnel Project**

**Mr. Paul Allen,  
Vice President of Engineering  
Nashville Electric Service**



## **In Recognition of...**

- Todd Richardson of 3M for handling preloads for the past 3 meetings and counting

*Thank You!*



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## In Recognition of...

- Austin Tingley of Power Engineers for contacting and arranging to have Mr. Allen be our keynote speaker today

*Thank You!*



## Schedule Change

- D5W – Station Cable Installation (P1185)
  - Moved from ~~Tues, 2:00 – 3:15~~
  - Moved to Mon, 3:30-5:30, Hermitage A
- B6W – Surge Arresters on Cable
  - Cancelled



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## Advisory Committee Survey Summary

Wim Boone and Serge Pelissou



# **Advisory Committee Survey Summary**

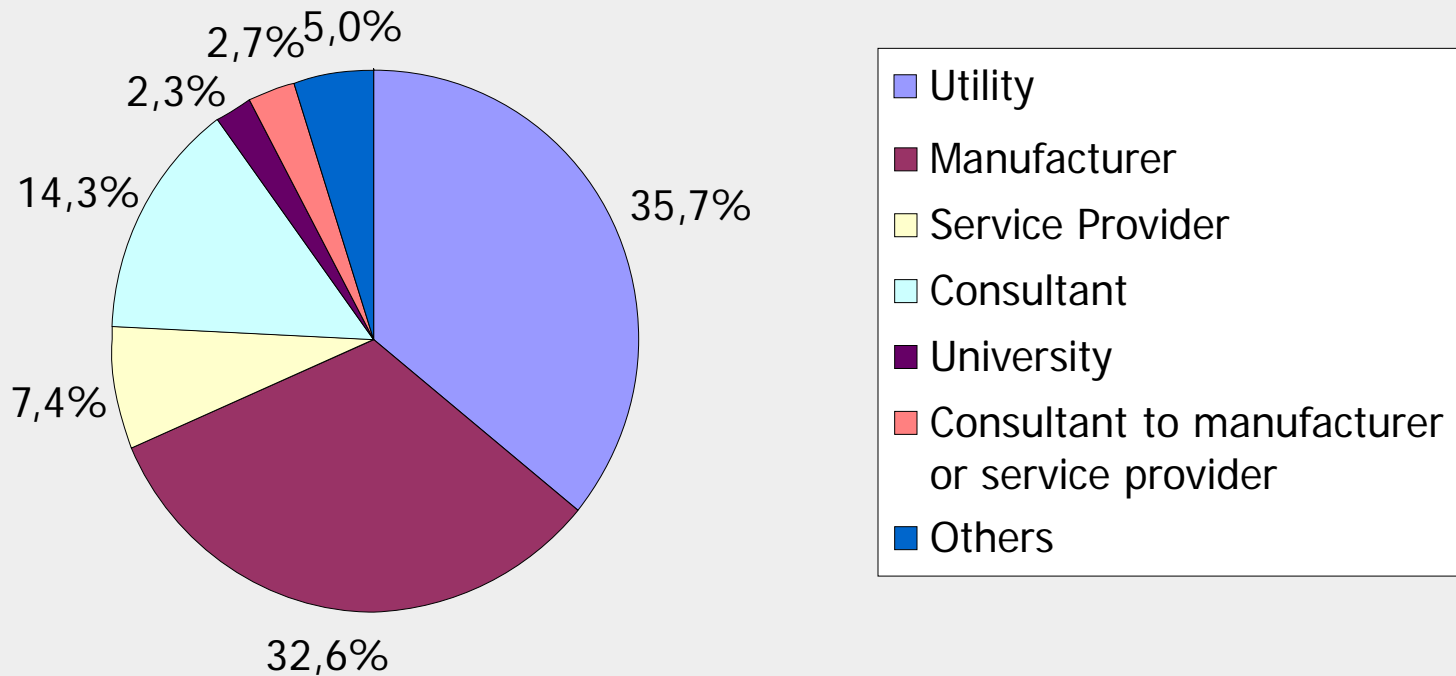
- With the support of NEETRAC, SurveyMonkey was used to perform and to analyze the survey
- Survey with 9 questions was sent to 600 people
- 258 people replied
- More than 500 additional comments
- Serge and I are evaluating the results
- At this time, a summary of main conclusions
- At the fall meeting a full report
- Many thanks for the active help of Nigel and Rachel



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## Distribution of respondents (258)

Q1 - Which description best describes your interaction with the ICC?





## **Main conclusions**

ICC activities in decreasing order of popularity:

- Informal contacts
- Presentations/discussions in Subcommittees and Working Groups/ Discussion Groups
- Additional activities, like Education Program, Transnational Lunch, Table Tops, and Networking Lunch



## Main conclusions (2)

- Utilities are invited to become more active in presentations and discussions
- Productivity of WG should be significantly improved
- Utility participation to ICC should increase by 12%
- EP, TNL, TT and NL are less popular than the SC and WG/DG meetings
- Keep duration of ICC at 3 days, as it is now
- Keep present location selection, as it is now



## Main areas of attention

- Utility participation to the ICC
- Productivity of Working Groups
- Evaluation of ICC activities:
  - what can remain as it is
  - what can be improved
  - what has to change completely

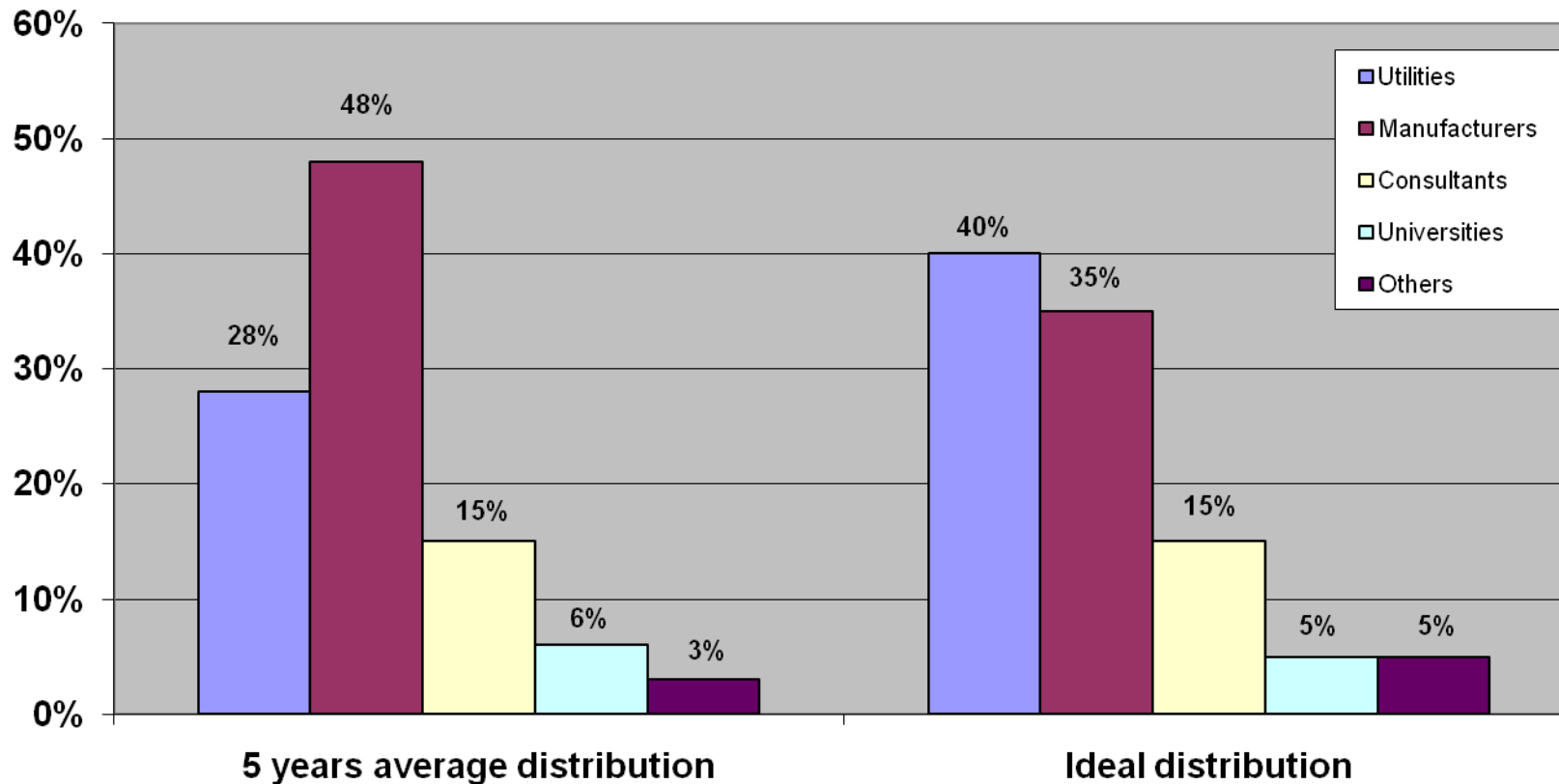


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### Q4 - What would be an ideal distribution of ICC participation?





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# ICC Membership Standards Association (SA) Membership

- When joining IEEE, important to join the Standards Association (SA) also.
- Reasonably priced.
- Allows you to actively participate in ballots.
- **It gives you a voice.**
- It's required for ICC membership.



## **Meeting Minutes CDs**

- Goal was to have Minutes available to you for download
- It didn't happen this time, as we had hoped, so CDs were shipped
- We are still working towards having the minutes available for download (with a goal of downloads, only, by 2012)



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## Call for Patents

- Patent slides are required by IEEE



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## Participants, Patents, and Duty to Inform

**All participants** in this meeting have certain obligations under the IEEE-SA Patent Policy.

Participants:

- **“Shall inform the IEEE** (or cause the IEEE to be informed)” of the identity **of each “holder of any potential Essential Patent Claims** of which they are personally aware” if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
    - “Personal awareness” means that the participant “is personally aware that the holder may have a potential Essential Patent Claim,” even if the participant is not personally aware of the specific patents or patent claims
  - “Should inform the IEEE (or cause the IEEE to be informed)” of the identity of “any other holders of such potential Essential Patent Claims” (that is, third parties that are not affiliated with the participant, with the participant’s employer, or with anyone else that the participant is from or otherwise represents)
  - The above does not apply if the patent claim is already the subject of an Accepted Letter of Assurance that applies to the proposed standard(s) under consideration by this group
- Quoted text excerpted from IEEE-SA Standards Board Bylaws subclause 6.2
- Early identification of holders of potential Essential Patent Claims is strongly encouraged
  - No duty to perform a patent search



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## **Patent Related Links**

**All participants should be familiar with their obligations under the IEEE-SA Policies & Procedures for standards development.**

Patent Policy is stated in these sources:

IEEE-SA Standards Boards Bylaws

*<http://standards.ieee.org/guides/bylaws/sect6-7.html#6>*

IEEE-SA Standards Board Operations Manual

*<http://standards.ieee.org/guides/opman/sect6.html#6.3>*

Material about the patent policy is available at

*<http://standards.ieee.org/board/pat/pat-material.html>*

If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at [patcom@ieee.org](mailto:patcom@ieee.org) or visit <http://standards.ieee.org/board/pat/index.html>

This slide set is available at <http://standards.ieee.org/board/pat/pat-slideset.ppt>



# Call for Potentially Essential Patents

- If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance:
  - Either speak up now or
  - Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible or
  - Cause an LOA to be submitted



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## Other Guidelines for IEEE WG Meetings

- **All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.**
  - **Don't discuss the interpretation, validity, or essentiality of patents/patent claims.**
  - **Don't discuss specific license rates, terms, or conditions.**
    - Relative costs, including licensing costs of essential patent claims, of different technical approaches may be discussed in standards development meetings.
      - Technical considerations remain primary focus
  - **Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.**
  - **Don't discuss the status or substance of ongoing or threatened litigation.**
  - **Don't be silent if inappropriate topics are discussed ... do formally object.**

-----  
See *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and "Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association's Antitrust and Competition Policy" for more details.



## **ICC Minutes re: Patent Slides**

“IEEE Patent Slides 1 through 4 were shown at the Opening Session.

Each WG chair or designee was instructed at the All Chairs meeting to provide an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) of which the participant is personally aware and that may be essential for the use of that standard.”



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## Spring 2010 Insulated Conductors Committee Awards

**Lauri J. Hiivala**



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# Spring 2010 Insulated Conductors Committee Awards

- ICC Certificates of Appreciation
- IEEE/PES Technical Committee Certificates of Appreciation
- Technical Committee **Discussion** Group Recognition Award
- IEEE Fellow Class of 2010



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## Spring 2010 Insulated Conductors Committee Awards

- Shan Nandi Memorial Scholarship
- Dr. George H. Bahder Memorial Award
- 2010 IEEE Herman Halperin Electric Transmission and Distribution Award



# **ICC Certificates of Appreciation**

- **Best Presentations at the Fall 2009 Subcommittee Meetings**



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## IEEE/PES Technical Committee Certificates of Appreciation

**John T. Smith, III**

for Services Rendered as

Chair, Subcommittee A

*Cable Construction and Design*

2007 – 2009



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## Harry Orton

for Services Rendered as  
Chair, Discussion Group A2

*Characteristics of Semiconductive Shields*

## Cindy Flenniken

for Services Rendered as  
Vice-Chair, Discussion Group A2

*Characteristics of Semiconductive Shields*



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## Joe Snow

for Services Rendered as  
Chair, Working Group A11

*Revision of IEEE 1142 Guide for the Selection,  
Testing, Application and Installation of Cables  
Having Radial Moisture Barriers and/or  
Longitudinal Water Blocking*



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## **Ajit Hiranandani**

for Services Rendered as

Vice-Chair, Working Group A11

*Revision of IEEE 1142 Guide for the Selection,  
Testing, Application and Installation of Cables  
Having Radial Moisture Barriers and/or  
Longitudinal Water*



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## **Tom Stewart**

for Services Rendered as  
Chair, Discussion Group C13  
*Trenchless Technologies*

## **Geeta Parmar**

for Services Rendered as  
Chair, Working Group C20  
*Soil Thermal Stability*



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## Technical Committee **Discussion** Group Recognition Award

- Discussion Group A4 *Definition of Tree-Retardant Crosslinked Polyethylene*
- Chair: **Serge Pelissou**
- Vice-Chair: **Richard L. Harp**
- Members: **Ray Bristol, John R. Densley, Christopher L. Fletcher, Carlos Katz, Frank L. Kuchta, Dominic Kung, Timothy J. Person, Michael J. Smalley and John T. Smith, III**



## **IEEE Fellow Class of 2010**

- The Institute of Electronic and Electrical Engineers (IEEE) highest grade of Fellow recognizes excellence for notable achievements in power engineering and industrial applications.
- The Fellow grade is conferred upon people of outstanding and extraordinary qualifications and experience in the various fields of the IEEE for their important individual contributions to one or more technical fields.



## IEEE Fellow Class of 2010

- **Edward Gulski**
- *for application of partial discharges to diagnosis of high voltage components*
- **Richard Alan Hartlein**
- *“for contributions to standards and analytical techniques for underground power cable systems”*



## Shan Nandi Memorial Scholarship

- ICC Chairman Shan Nandi passed away May 4, 2008.
- He was an adjunct professor at Oakton Community College in Des Plaines, Illinois
- One-time donation of \$2,500 to Oakton Community College Educational Foundation



# Dr. George H. Bahder Memorial Award

Presented To  
**Bruce Bernstein**

*For leadership in guidance of performance of cable aging and reliability issues, and providing foresight in combining aging methodology with diagnostic testing to estimate future performance of cable systems.*



# Dr. George H. Bahder Memorial Award

- The funds must be presented in the form of a scholarship or similar award to a student whose studies are in the electric power engineering area.
- The student must be informed that the IEEE Insulated Conductors Committee provided the stipend/scholarship.
- The funds must be used to assist the student in the study of a topic related to the power engineering transmission or distribution field and should preferably deal with issues related to underground power cable systems.



# **Dr. George H. Bahder Memorial Award**

- The ICC must be told the students name and the topic studied.
- The ICC must be provided with a report, thesis or paper that describes the work conducted with the Bahder award funds.
- Electrical Power Engineering Department of Arizona State University



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# 2010 IEEE Herman Halperin Electric Transmission and Distribution Award

- Presented by **Enrique Tejera**, Division VII Director
- Recognizing exceptional achievements in our profession, by both individuals and organizations, is an important part of the mission of the IEEE.



# 2010 IEEE Herman Halperin Electric Transmission and Distribution Award

- Each year the IEEE Awards Board recommends a select group of recipients to receive the IEEE's most prestigious honors.
- Received by **Carlos Katz**
- “for developing and understanding of factors that influence life of XLPE and EPR-insulated cable systems”



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## Eulogy for Edward E. McIlveen

given by  
Jim Fitzgerald,  
Okonite





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[www.pesicc.org](http://www.pesicc.org)



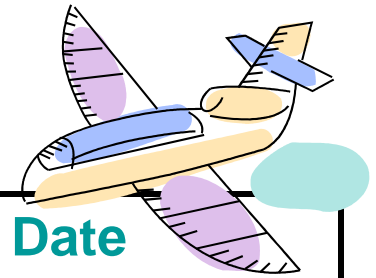


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## Future Meetings



Meeting	Location	Date
	T&D Conference	4/19/10 - 4/22/10
Fall '10	Radisson at Ft. McDowell Scottsdale/Fountain Hills, AZ	10/17/10 – 10/20/10
Spring '11	Tradewinds St. Pete Beach, FL	5/22/11 – 5/25/11
Fall '11	Renaissance Denver Hotel Denver, CO	10/23/11 – 10/26/11



## Reduce, Reuse, Recycle

- Lanyards cost us \$1600 every other meeting
- Lanyards collection box
- It's making a difference
- Thank you





## **Hotel Perks**

- Internet in the public areas (in the future, it will be included in the rooms, as well)
- Fitness Center



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## Education Session

- Wednesday afternoon
- “High Voltage DC Land and Submarine Cable Systems”



## **Education Session**

- 0.4 CEUs are available
- Cost: \$15 (charged to us by IEEE)
- If this is towards a Florida PE license, you **MUST** provide your FL PE license number to THOMAS by Wednesday!



# **Professional Development Hours (PDHs)**

- Forms are at Registration
- Attendee's responsibility to fill out form
- Education Session will no longer provide these forms at the session – you must pick up the form at the Registration Desk



## **Spring Registration Update**

- 291 Pre-registered
- 43 Networking Lunch
- 128 Transnational Lunch
- 77 Education Program
- 30 CEUs
- 14 Exhibitors



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