

# IEEE 802<sup>®</sup> Standards Education Workshop: The World of IEEE 802 Standards

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# IEEE Standards Education

- 802 Workshop is sponsored by the IEEE Standards Education Committee
  - Joint Standing Committee of the Educational Activities Board and the Standards Association
- Special thanks to our additional sponsors:
  - WiMAX Forum and ZigBee Alliance



# Mission of the Standards Education Committee

1. Promote the importance of standards in meeting technical, economic, environmental, and societal challenges.
2. Secure and disseminate learning materials on the application of standards in the design and development aspects of educational programs.
3. Secure and provide short courses about standards needed in the design and development phases of professional practice.
4. Actively promote the integration of standards into academic programs.
5. Lead other education initiatives planned jointly by EAB and the SA as needed.

# IEEE's Key Interests in Education about Standards

- At the university level
  - Development of curricula
  - Accreditation criteria
  - Providing an “entry point” to the world of standards
  
- At the post-university level (continuing education)
  - Familiarizing engineers with the standard development process
  - Education about specific standards (e.g., the IEEE 802 family)

# Standards Education Website

<http://standardseducation.org>

IEEE - IEEE Standards Education

The screenshot shows the IEEE Standards Education website. At the top, there is a navigation bar with links for Home, Shop, Join, myIEEE, Contact, Sitemap, and IEEE Xplore. Below this is a search bar and a language selector for IEEE (Google) and IEEE (Ultraspeak). A secondary navigation bar includes links for About Us, Membership, Publications, Conferences, Standards, Careers, Education, Volunteers, Societies, and Geographic Activities. A third navigation bar provides links for Education Home, Continuing Education, Volunteers, Accreditation, Pre-University, and Awards, along with a text size selector. The main content area features a 'Standards Education Main Menu' with links to Standards Education Home, Why Standards Education, Tutorials, Case Studies, Student Application Papers, Standards Reference Directory, Glossary, News and Features, and Additional Resources. A 'Share Your Feedback' section encourages users to provide input. A 'Resources' section lists various materials like Why Standards Education, News & Features, Tutorials, Case Illustrations, Student Applications Papers, and Standards Reference Directory. A 'What do you want to do?' section offers actions such as finding standards, shopping for standards, subscribing, searching projects, signing up for alerts, learning more, logging in, and getting IEEE 802 standards. A 'News and Features' section and a 'Tutorials' section are also visible, each with a 'Read More' link. The IEEE logo and tagline are at the bottom right.

<http://www.ieee.org/web/education/standards/index.html> (1 of 3) [6/26/2008 10:13:09 AM]

# Workshop Attendee Website

- All presentations will be available to paid attendees for the next 30 days.
- [http://grouper.ieee.org/sa/sec/private\\_ieee802ws/](http://grouper.ieee.org/sa/sec/private_ieee802ws/)
  - User name: IEEE802
  - Password: Workshop
- Presentations are also loaded onto USB Flash Drives for your use today.
  - (No wireless in meeting room)

# IEEE 802 Standards Education Workshop Agenda

- 1) IEEE 802 Structure and Process: David Law
- 2) The IEEE 802.1 Standards: Tony Jeffree
- 3) IEEE 802.3 Ethernet: David Law
- 4) IEEE 802.11: Bruce Kraemer
- 5) IEEE 802.15: Bob Heile
- 6) IEEE 802.16 WirelessMAN: Phil Barber
- 7) IEEE 802.17 Resilient packet ring: David Law
- 8) IEEE 802.18 and IEEE 802.19: Bruce Kraemer
- 9) IEEE 802.20 and 802.21 Summary: Phil Barber
- 10) IEEE 802.22 Cognitive Radio Wireless Regional Area Networks: Wendong Hu
- 11) IEEE Standards Association Patent Policy: David Law
- 12) Panel Discussion: All Presenters and Audience Q&A

# IEEE Standards Education Workshop

- We are recording the presenters.
  - No audio from attendee questions or comments will be used.
- Please fill out the workshop surveys you receive.
  - This workshop is part of our pilot program.
- Please feel free to ask questions through out the day. We encourage your participation.



Enjoy!