

Brought to you by the IEEE *Xplore*<sup>®</sup> digital library

# IEEE eLearning Library

## The premier online collection of short courses and conference workshops

The IEEE eLearning Library combines the advanced technology content only IEEE can provide with a convenient, intuitive learning system. With nearly 200 courses in communications, computing, engineering, power, professional development and dozens of other core and emerging technologies—the IEEE eLearning Library gives professionals, faculty and students a better way to learn.

Keep your career on track and earn professional development credits with self-paced, online technology courses



### Enjoy the flexibility of online learning from leading experts in technology with:

- Nearly 200 interactive courses to keep engineers up to speed on emerging technologies and trends
- Extended eLearning series in Fiber Optics, Digital Circuit Design, Smart Grid, Biometrics, Sustainable Green Engineering, NESC, RFID, Power Applications, and Communications Technologies
- Courses developed, peer-reviewed, and updated by leading experts in the field
- Introductory, Intermediate and Advanced levels offered for many subjects
- Courses ranging from one to three hours in length
- Notes, glossary terms and a post-test included with each course
- 24/7 Accessibility enables you to learn at your own pace
- Continuing education credits—.3 CEUs/3 PDHs awarded for successful completion of each one-hour course

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# IEEE eLearning Library

## Keep up with technology and stay ahead of the curve

Stay competitive—in the research lab, classroom, or boardroom—with advanced continuing education delivered directly to your desktop. With nearly 200 interactive online courses, **IEEE eLearning Library** outlines the latest technology developments—making it easy to stay ahead of the curve and take advantage of new opportunities.

### Benefits for Corporations

Develop the skills needed to succeed in today's marketplace

- Save time and money—no need to travel with content delivered to your computer
- Learn around your schedule—stop and pick up where you left off at any time
- Increase overall knowledge beyond a specific discipline
- Keep up to date on the latest trends in related technologies
- Create market opportunities with advanced insight into emerging technologies
- Bolster your eLearning program with access to high-quality courses
- Ensure your team has the necessary skills to stay competitive
- Meet the re-certification requirements to renew professional certifications or licenses\*
- Receive a CEU or PDH certificate for each successfully completed course

\*specific requirements vary by country and state

### Benefits for Academics

Give students the knowledge to master key technology concepts

- Allow distance learners to access the same content as on-site users
- Incorporate material into a classroom lecture, or use as a supplement
- Help students prepare for a more advanced course
- Build awareness of converging technologies for research projects
- Allow students to take courses for extra credit
- Give students tools such as course notes and references for research papers
- Introduce emerging technologies and engineering terminology
- Build proficiency in technical English through a listen/view/read learning process
- Guide students into specialty engineering fields
- Broaden professional development

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## Quality, peer-reviewed content from subject matter experts

An important part of development, the peer-review process ensures each IEEE eLearning course meets the IEEE standard for quality and accuracy. Each course must pass a rigorous review process by IEEE societies and experts, as well as faculty from renowned corporations and universities worldwide. An editorial board also updates existing content regularly to ensure the IEEE eLearning Library remains current.



“The IEEE eLearning Library keeps me up to date on the latest technologies. I enjoy knowing that experts are developing these courses.” –Robert B. (Corporate Subscriber)

## IEEE eLearning for every technology professional

IEEE eLearning courses cover a wide array of disciplines—whether you want to enhance your knowledge in your own field or expand to other technical specialties. **Courses are available in these technologies:**

Aerospace	Computing	Power and Energy
Antennas and Propagation	- Software Engineering	- Introduction to Application of the NESC
Bioengineering	Engineering Profession	Reliability
Communications	Fields, Waves and Electromagnetics	Robotics and Control Systems
- Networking	IEEE Standards	Signal Processing and Analysis
- Wireless	Microwave Theory and Techniques	Smart Grid
Components, Circuits & Devices	Nanotechnology	Sustainable Green Engineering
- The IEEE eLearning Series on Design of Integrated Circuits	Photonics and Electro-Optics	Vehicular Technology
Computational and Artificial Intelligence	- The IEEE eLearning Series on Fiber Optics	
	- Pioneers in Photonics	

For a full list of courses, visit: [iee-elearning.org](http://iee-elearning.org)

## eLearning for today's innovators

The IEEE eLearning Library offers vital technology knowledge. Check out some of these popular courses:

- What it Takes to Be an Innovator
- Stuff You Don't Learn in Engineering School: The Essential Skills
- Software Safety for Aerospace Applications
- Hybrid Electric Vehicles: Exploring the Electronic CVT
- Biometrics Solutions for Security and Authentication
- Optical Biomedical Sensors
- Cellular Wave Computers via Million Processors
- A Software Design Methodology for Real-Time Embedded Systems
- An Introduction to Sustainable Green Engineering
- Fundamentals of Fiber Optics: Fiber History, Applications and Specialty Fibers
- Introduction to IEEE 802.11
- Introduction to IEEE 802.16
- Course Series: Introduction to Application of the NESC



Promote your achievement instantly with printable CEU or PDH certificates

Get your FREE trial at [www.ieee.org/go/elearning](http://www.ieee.org/go/elearning)



## The IEEE Learning Management System—coming soon to IEEE *Xplore*!

Built on the Moodle open-source platform, the IEEE Learning Management System allows users to keep track of courses and CEUs by authenticating with their personal IEEE web account. Coming in the fall of 2010, the IEEE Learning Management System will be integrated with the IEEE *Xplore* digital library, letting users find a course abstract in IEEE *Xplore* and seamlessly connect to the IEEE eLearning course.

## The IEEE eLearning Library—and the IEEE Learning Management System—lets you take advantage of:

- Enhanced education and curriculum tools
- Customizable navigation and menus available in more than 100 user-selected languages
- Integrated related article content from IEEE and the IEEE *Xplore* digital library
- Interactive discussion forums and chat rooms for student interaction
- Printable individual CEU or PDH certificates upon the successful completion of a course
- Professionally developed multimedia courses that include:
  - Engaging, interactive animations
  - Colorful diagrams and charts
  - Professional audio overlay for course slides
  - Self-paced learning via automatic place marking
  - Flexible controls to repeat audio and slides or skip to another section
  - Immediate end of course testing and results

## IEEE is a certified continuing education provider

IEEE is an authorized provider of Continuing Education Units (CEUs) through The International Association of Continuing Education and Training (IACET), and has adopted ANSI/IACET guidelines and criteria for course development. These criteria are widely recognized internationally as standards of good practice for all professional development programs.

As an authorized CEU provider, IEEE can offer CEUs for any IEEE learning activity running at least one hour in duration. IEEE CEUs can also be converted into Professional Development Hours (PDHs).

## IEEE offers flexible subscription options for any size organization

Ask your IEEE Account Manager about any of the following options:

- **Access to all courses** in our catalog for all users
- **Flexible access to a select group** of courses in your discipline
- **Access for a limited set** of users

To learn more about the IEEE eLearning Library and to request a custom quote, contact your IEEE account manager today.

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