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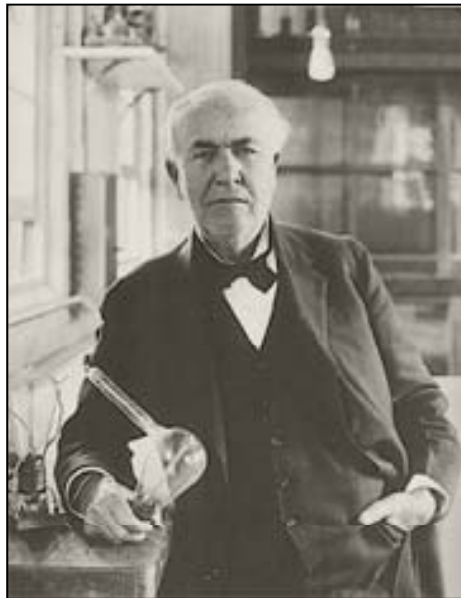
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協會前身之一：美國電子工程師協會

Founding officers of The American Institute of Electrical Engineers (*AIEE*) in 1884:



Thomas A. Edison



Alexander Graham Bell

協會前身之二：無線電工程師協會

Founding member of *The Institute of Radio Engineers (IRE)* in 1912:



Guglielmo Marconi



Report of Titanic

1963



**The American Institute of
Electrical Engineers (AIEE)**

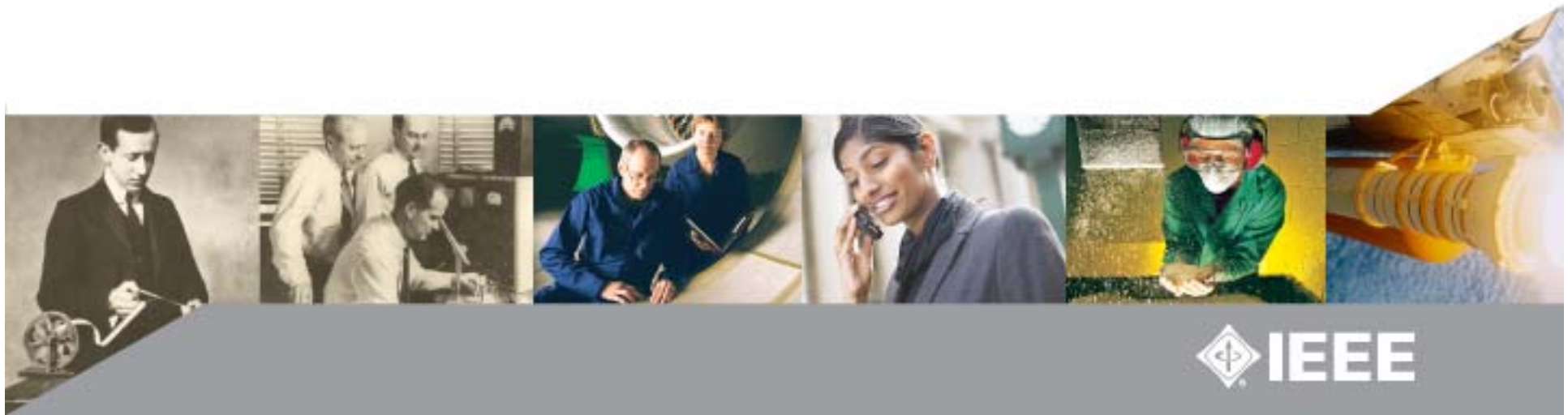


**The Institute of Radio
Engineers (IRE)**



**The Institute of Electrical and
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IEEE 802.11 — 無線網路

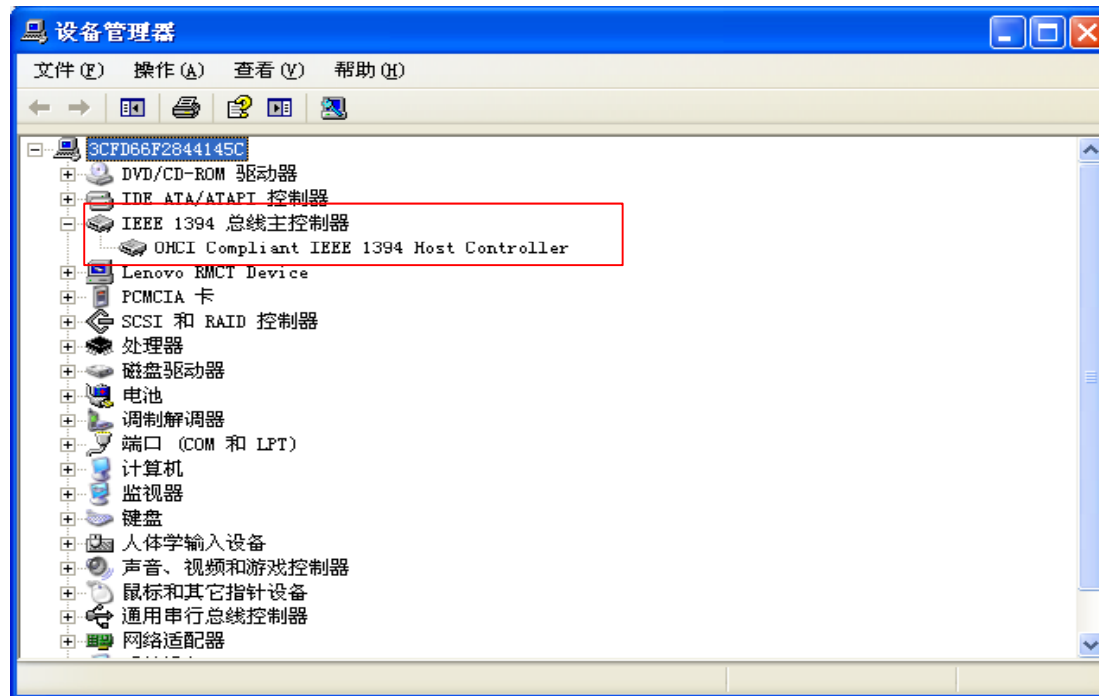
IEEE 802.16 — 寬頻無線接取

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台灣參與的IEEE標準

- IEEE 802.16 Broadband Wireless Access Standard
IEEE無線寬頻存取標準

- 台灣大學
- 淡江大學
- 宜蘭大學
- 工研院
- 聯發科
- 資策會

- IEEE 802.11 Wireless Local Area Networks (WLAN) Standard

IEEE無線區域網通用標準

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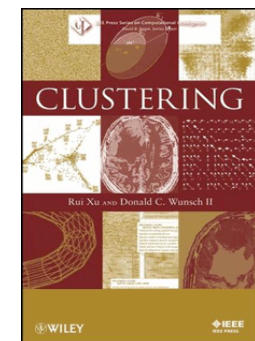
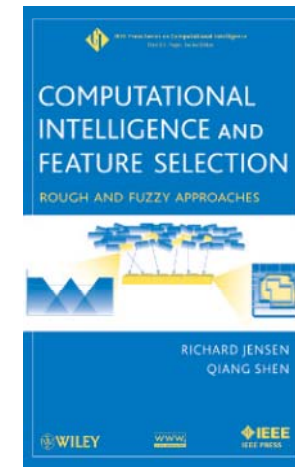
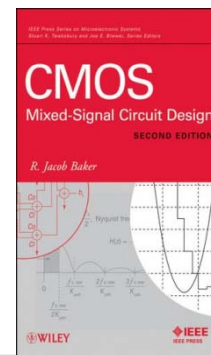
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ISSN: 0018-9251

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The environmental performance criteria of the IEEE 1680 family of standards are intended to define a measure of environmental leadership in: the design and manufacture of ~~personal computer~~ electronic products ~~that are marketed to institutions~~; the delivery of specified services that are associated with the sale of the product ~~to institutions~~; and in associated corporate performance characteristics.

This family of standards is defined with the intention that the criteria are technically feasible to achieve, but that only products demonstrating the leading environmental performance currently available in the marketplace would meet them at the time of their adoption. As the environmental performance of products that are available in the marketplace improves, it is intended that the criteria will be updated and revised to set a higher performance standard for leadership products.

This standard is intended to serve as a baseline for further environmental standards for additional electronic products to be developed in the future. References to IEEE Std 1680 likewise reference, unless otherwise specified, the individual product standards in the IEEE 1680 family of standards.

1.3 Application

The environmental performance criteria are contained in the standards that are members of this IEEE 1680 family of standards. The principles and procedures identified in Clause 1 apply to ~~notebook personal computers, desktop personal computers, and personal computer monitors.~~ The principles and procedures identified in Clause 1, Clause 2, and Clause 3 apply to personal computer electronic products and will apply to future standards developed for additional electronic products.

Different configurations of a product, as defined in the standards in this family, may include options for processors, memory, hard disks, etc. A product, for the purpose of this family of standards, is every configuration that could be offered in a specific marketing model and chassis type. If ~~there is a~~ specific configuration within a marketing model and chassis type that would change configurations do not meet the environmental performance substantially, especially if that configuration would no longer meet a criteria as declared, then the manufacturer could not claim conformance to this Standard for that configuration, even if the same model in other configurations did conform to this Standard. The manufacturer shall clearly report such special to the Product Registration Entity which configurations ~~that do not conform to meet the Standard to the Product Registration Entity~~ criteria as declared.

A product includes ~~a desktop computer, a notebook computer or monitor,~~ an electronic product and all the peripherals that are integral to its operation. For example, the desktop computer together with the keyboard, the mouse, and the power cord would be a product.

1.4 Conformance with the IEEE 1680 family of standards

A manufacturer may designate one or more specific geographic regions, or countries, for which a product declaration is applicable. In order to ~~conform to this Standard~~ be conformant in a designated region or country, each unit of ~~a~~ the product that is sold in that region or country must satisfy all of the applicable

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3-1982 - IEEE Recommended Practice in the Selection of Reference Ambient Conditions for Test Measurements of Electrical Apparatus

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In general test results and the performance of electrical apparatus are significantly influenced by variations in such parameters as temperature, barometric pressure and humidity. The purpose of this IEEE recommended practice is to identify and recommend a set of standard reference values for certain ambient parameters which are significant in electrical test measurements.<>

INDEX TERMS

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A celebratory book honoring the award winners of the past century from the AIEE, IRE and IEEE.

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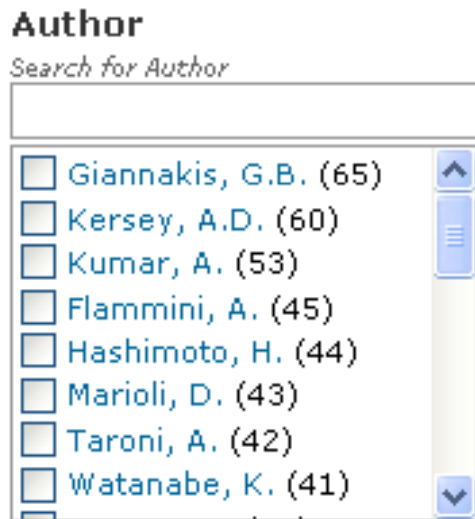
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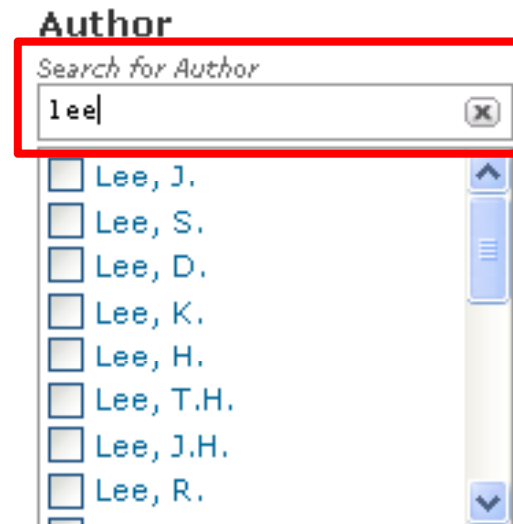
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Xinyi Wu; Yong Zhu; Xiaolong Deng;
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A ZigBee based embedded remote control system

Cui Chengyi; Zhao Guannan; Jin Minglu;
[Signal Processing Systems \(ICSPS\), 2010 2nd International Conference on](#)
Volume: 3
Digital Object Identifier: [10.1109/ICSPS.2010.5555814](#)
Publication Year: 2010 , Page(s): V3-373 - V3-376

IEEE CONFERENCES

[AbstractPlus](#) | Full Text: [PDF](#) (258 KB)

Distributed Remote Control System of UAV Based on Man-in-loop Real-time Operation

Zhang Fengqing; Kong Quancun;
[Control Conference, 2007. CCC 2007. Chinese](#)

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This issue features 19 papers on the new technologies that make the IBM Enterprise System z196 a unique mainframe computing platform. Topics include: The microprocessor, storage, I/O, packaging technologies, system design, firmware design and verification, advances in higher-availability computing, resource management, and some of the novel design methodology advances that have made these new technologies possible.

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- » Software Engineering Economics
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- » IEEE Std 802.21b-2012 (Amendment to IEEE Std 802.21-2008 as amended by 802.21a-2012)
- » IEEE Std 45.7-2012
- » IEEE Std 338-2012 (Revision of IEEE Std 338-2006) - Redline
- » IEEE Std C57.91-2011 (Revision of IEEE Std C57.91-1995) - Redline
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- » Domestic Use of Energy Conference (DUE), 2012 Proceedings of the 20th
- » Pervasive Computing and Communications Workshops (PERCOM Workshops), 2012 IEEE International Conference on
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- » Cyber-Physical Systems (ICCPS), 2012 IEEE/ACM Third International Conference on
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- » Circuits and Systems II: Express Briefs, IEEE Transactions on
- » Signal Processing, IEEE Transactions on
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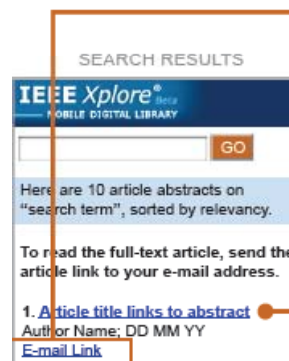
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Promotes a forum where people involved with electrical power systems may exchange their experiences and present solutions found for actual and future problems.

16 May - 19 May 2010 | Prague, Czech Republic

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The symposium focuses on circuits and systems employing nanodevices and circuit fabrics and their implementation cost, switching speed, energy efficiency, and reliability.

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半年	\$70.5	\$13.5

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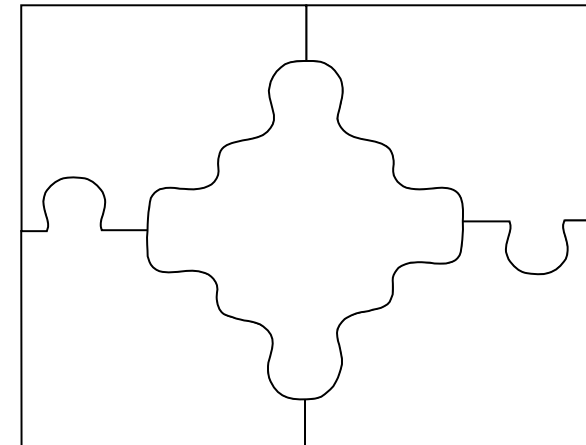
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- 學生獎勵
- 獎學金
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- 學生論文大賽

■ <http://www.ieee.org/meml/awards/index.html>

General awards for active IEEE Student members

- » [IEEE President's Change the World Competition](#)
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- » [IEEE MGA Board Larry K. Wilson Regional Student Activities Award](#)
- » [IEEE Industry Applications Society Myron Zucker Travel program](#)

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- » [IEEE Charles LeGeyt Fortescue Fellowship](#)
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- IEEE 提供Mini-grants 給予大學生及研究生的獎勵活動。
- 獎學金金額 **US\$500** 給予參與學生，另同時提供獎金給予指導者。
- 學生在開始設計或開發一個工業標準時，必須提交一份簡介，描述專案的目標。如學生的建構藍圖等。



http://www.ieee.org/education_careers/education/standards/applications.html



IEEE Xtreme Programming Competition

- What is it?
 - IEEE*Xtreme* is a worldwide contest in which teams of students compete over a 24-hour time span against each other to solve a set of programming problems
- Who participates?
 - Teams of 2-3 students/graduate students and their proctors
- Why is it unique?
 - Worldwide, simultaneous!
 - International bragging rights
 - **Top prize is a trip anywhere in the world to the IEEE event of the top team's choice**



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PROGRAMMING COMPETITION^{3.0}

IEEE Xtreme is a global 24-hour programming contest where IEEE Student Branch teams solve a challenging set of programming problems!

WHO CAN COMPETE?

- All teams that consist of 3 IEEE student or graduate student members from IEEE Student Branches.
- Student Branches can form multiple teams.

WHERE IS THE COMPETITION HELD?

- Student Branches will host the IEEE Xtreme event for their local team.

WHAT IS REQUIRED AT THE VENUE?

- At least one computer per team with connection to the internet.
- A proctor, who must be an IEEE Member of higher membership grade. Students cannot serve as proctors.

TO FIND OUT MORE, VISIT www.ieee.org/xtreme

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IEEE President's Change the World Competition



- Global Student Contest
- The goal: identify a real-world problem and apply engineering, science, computing and leadership skills to solve it.
- 2011 winners will be presented at IEEE Medal of Honor Ceremony: **UK Imperial College London, Hamayun (lead). Topic: Full-Scaled National Electric Grid.**

WHAT COULD I WIN?	
IEEE Student Humanitarian Supreme	US\$10,000
IEEE Distinguished Student Humanitarian	5,000
IEEE Exceptional Student Humanitarian	2,500
Up to five Outstanding Student Humanitarian prizes	1,000

IEEE Presidents' Change the World Competition

Home Past Winners Submission

Can You Change the World?
Show us how and you could win US\$10,000

IEEE Presidents' Change the World Competition

The 2011 IEEE Presidents' Change the World competition registration is now open. See the official rules for more details.

The banner features a photograph of three young people (two men and one woman) looking intently at a computer screen. A globe of the Earth is visible in the background. The text is overlaid on the image.

<http://www.ieee125.org/change-the-world/index.html>



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