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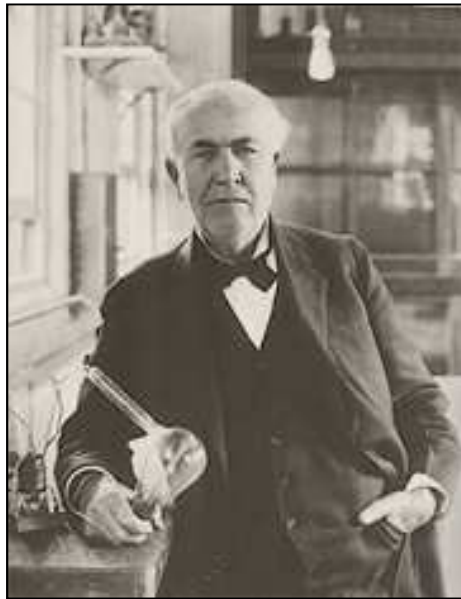
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協會前身之一：美國電子工程師協會

Founding officers of the American Institute of Electrical Engineers 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 in 1912:



*AIEE & IRE merged in
1963 to form the IEEE*

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美國電子電機工程師學會

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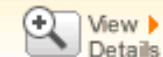
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- (1955 - 1960) [Aeronautical and Navigational Electronics, IRE Transactions on](#)
- 1954 - [Radio Telemetry and Remote Control, Transactions of the IRE Professional Group on](#)
- (1953 - 1954) [Aeronautical and Navigational Electronics, Transactions of the IRE Professional Group on](#)
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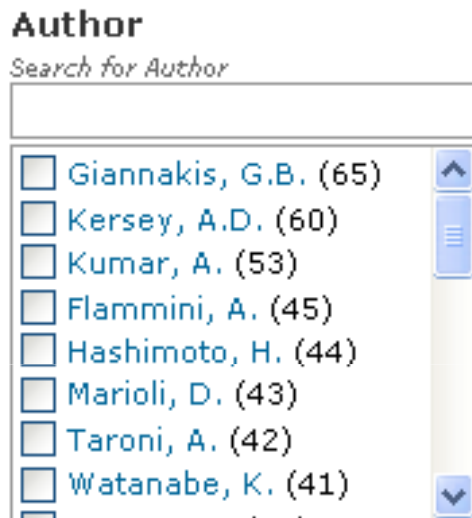
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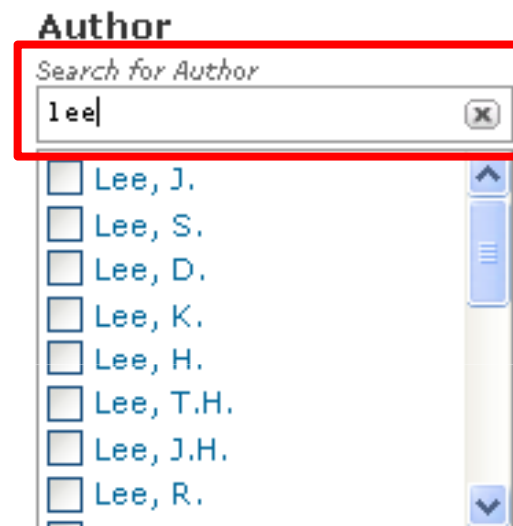
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Yang Wenguo; Guo Tiande;
[Education Technology and Computer Science \(ETCS\), 2010 Second International Workshop on](#)
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Publication Year: 2010, Page: 1-4

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Zhang Xuyuan;
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A study on topological characteristics of wireless sensor network based on complex network Quick Abstract

Ren Yueqing; Xu Lixin;

IEEE 技術標準辭彙字典 →

STANDARDS DICTIONARY TERMS (What's this?)

- system
- fcc
- rf
- eut
- equipment under test (eut)
- tem
- normalized site attenuation (nsa)
- antenna factor
- site attenuation
- line impedance
- stabilization network

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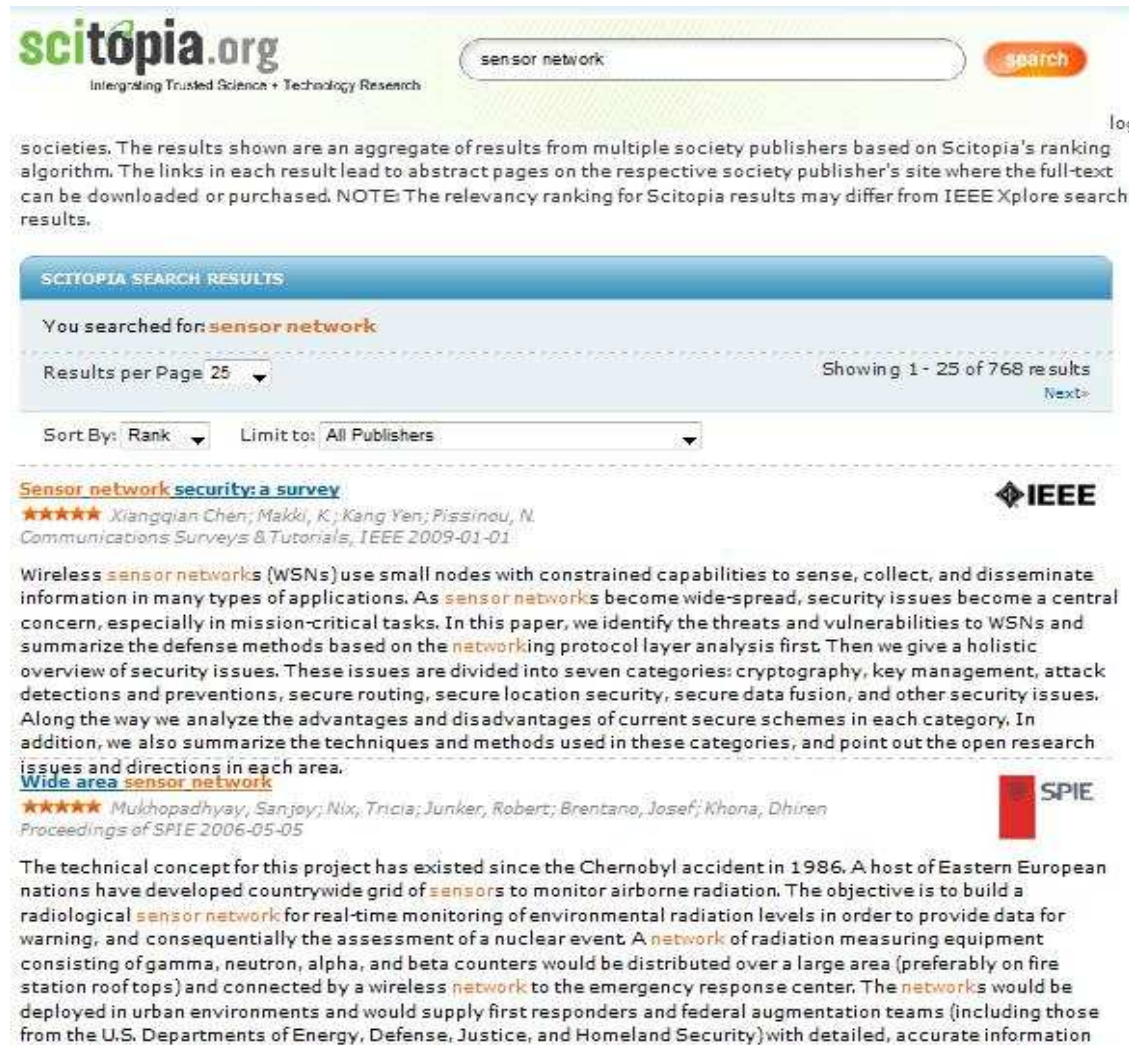
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9 Results Returned for 'antenna factor'

- **antenna factor**
Quantity relating the strength of the field in which the antenna is immersed to the output voltage across the load connected to the antenna. (Antenna factor is independent of measurement geometry. Antenna is aligned with field polarization.)
FOUND IN
ANSI C63.5-1998
American National Standard for Electromagnetic Compatibility - Radiate... | [View Definitions](#)
- **antenna factor**
A factor that when multiplied with the linear voltage reading of the measuring instrument yields the electric field strength in volts/meter or the magnetic field strength in amperes per meter.
Notes:
 1. The factor includes the effects of antenna effective length and mismatch, and it may include transmission line losses.
 2. The factor for electric field strength is not necessarily the same as the factor for the magnetic field

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sensor network


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societies. The results shown are an aggregate of results from multiple society publishers based on Scitopia's ranking algorithm. The links in each result lead to abstract pages on the respective society publisher's site where the full-text can be downloaded or purchased. NOTE: The relevancy ranking for Scitopia results may differ from IEEE Xplore search results.

SCITOPIA SEARCH RESULTS


You searched for **sensor network**

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Sensor network security: a survey 

★★★★★ Xiangqian Chen; Makki, K.; Kang Yen; Pissinou, N.
Communications Surveys & Tutorials, IEEE 2009-01-01

Wireless **sensor networks** (WSNs) use small nodes with constrained capabilities to sense, collect, and disseminate information in many types of applications. As **sensor networks** become wide-spread, security issues become a central concern, especially in mission-critical tasks. In this paper, we identify the threats and vulnerabilities to WSNs and summarize the defense methods based on the **networking** protocol layer analysis first. Then we give a holistic overview of security issues. These issues are divided into seven categories: cryptography, key management, attack detections and preventions, secure routing, secure location security, secure data fusion, and other security issues. Along the way we analyze the advantages and disadvantages of current secure schemes in each category. In addition, we also summarize the techniques and methods used in these categories, and point out the open research issues and directions in each area.

Wide area sensor network 

★★★★★ Mukhopadhyay, Sanjoy; Nix, Tricia; Junker, Robert; Brentano, Josef; Khona, Dhiren
Proceedings of SPIE 2006-05-05

The technical concept for this project has existed since the Chernobyl accident in 1986. A host of Eastern European nations have developed countrywide grid of **sensors** to monitor airborne radiation. The objective is to build a radiological **sensor network** for real-time monitoring of environmental radiation levels in order to provide data for warning, and consequentially the assessment of a nuclear event. A **network** of radiation measuring equipment consisting of gamma, neutron, alpha, and beta counters would be distributed over a large area (preferably on fire station roof tops) and connected by a wireless **network** to the emergency response center. The **networks** would be deployed in urban environments and would supply first responders and federal augmentation teams (including those from the U.S. Departments of Energy, Defense, Justice, and Homeland Security) with detailed, accurate information

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- Signal Processing & Analysis (678,786)
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Results per Page: **25** Showing 1 - 25 of **11,976 results**

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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

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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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The screenshot displays the IEEE Xplore website interface. At the top, there is a navigation bar with 'BROWSE' (highlighted in orange), 'MY SETTINGS', 'CART', 'SIGN IN', and links for 'About IEEE Xplore', 'Terms of Use', 'Feedback', and 'Help'. Below the navigation bar, the left sidebar contains a 'BROWSE' menu with links for 'Journals & Magazines', 'Conference Proceedings', 'Standards', 'Books', and 'Educational Courses'. Below this is a 'SIGN IN' section with fields for 'Username' and 'Password', a 'Sign In' button, and links for 'Forgot Username/Password?', 'Register for an IEEE Account', and 'Athens / Shibboleth Sign In'. At the bottom of the sidebar is a 'QUICK LINKS' section, which is highlighted with a red box and has a red arrow pointing to it. The main content area features a search bar with the text 'Search 2,905,293 documents' and a 'SEARCH' button. Below the search bar are links for 'Advanced Search', 'Preferences', and 'Search Tips'. The 'Highlights' section features a blue header and a featured article titled 'Now in IEEE Xplore: 2011 ISSCC Conference Proceedings'. The article includes an image of a microchip and text describing the conference and its proceedings. The IEEE logo is visible in the bottom right corner.

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Highlights

Now in IEEE Xplore:
2011 ISSCC Conference Proceedings

Now in IEEE Xplore, conference papers from the 2011 IEEE International Solid-State Circuits Conference (ISSCC).

2011 marked the 58th anniversary of ISSCC, the flagship conference of the Solid-State Circuits Society and the premier forum for presenting advances in solid-state circuits and systems-on-a-chip. For 2011, the conference theme was "Electronics for Healthy Living".

» [View the 2011 ISSCC conference proceedings](#)

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1. Understanding Cloud Computing Vulnerabilities

Grobauer, B. Walloschek, T. Stocker, E.
Security & Privacy, IEEE
Volume: 9 Issue: 2 Date: March-April 2011 Page(s):50 - 57
Digital Object Identifier : 10.1109/MSP.2010.115
Abstract | Full Text: PDF (726KB)

2. Green Cloud Computing: Balancing Energy in Pro

Baliga, J. Ayre, R.W.A. Hinton, K. Tucker, R.S.
Proceedings of the IEEE
Volume: 99 Issue: 1 Date: Jan. 2011 Page(s):149 - 167
Digital Object Identifier : 10.1109/JPROC.2010.2060451
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Abstract | Full Text: PDF (1443KB)

3. A survey of the research on future internet architectures

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[Autonomous Mental Development, IEEE Transactions on](#)
Volume: 3 Issue: 3 | Publication Date: Sept. 2011

[Circuits and Systems I: Regular Papers, IEEE Transactions on](#)
Volume: 58 Issue: 9 | Publication Date: Sept. 2011

[Circuits and Systems II: Express Briefs, IEEE Transactions on](#)
Volume: 58 Issue: 9 | Publication Date: Sept. 2011

[Communications Letters, IEEE](#)

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16 May - 19 May 2010 | Prague, Czech Republic

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