

## Greetings!

As 2009 draws to a close, it will go down in history as a year of major change. From newly-elected governments to the worst recession in decades, from industry consolidation to promising new technologies, the pace of change continued at an unabated pace.

Engineering is one of very few bright hiring spots in this downturn market. According to a recent study by ASEE, employers are having difficulty in filling positions for electrical engineers, and especially engineers with highly specialized training skills, such as biotech firms that need plant scientists or energy companies that need geotechnical engineers to build offshore platforms. Much as it did 125 years ago, engineering continues to be a cornerstone for industry growth and innovation.

This year, Ei has been honored by the 125th anniversary display created by a long-time subscriber in celebration of 125 years of engineering innovation. Learn how this special exhibit generated significant interest - and foot traffic - from students and faculty throughout the campus in our featured interview with Nestor Osorio, Professor and Science Engineering Librarian at Northern Illinois University.

We also look back at Ei over the years, from its modest start of fewer than 1000 abstracts in 1884 to over 13 million records today. And we show you how Ei covered one exciting new technology - wireless - at the turn of the 20th century - and how we are covering it at the start of the 21st century.

In this issue, we discuss the new titles added to Referex - just under 200 in total - that give you additional insight on areas that matter most to you. We also give you tips to help you find the latest research.

Looking forward, we are continuing to make changes that help you find and use the most relevant, trusted content to make your job easier. Finally, we couldn't let the year end without a heartfelt thanks to you, our subscribers, for your continued confidence that Ei will bring you the engineering information that matters.

The Editors

[EMAIL THE EDITOR](#)

## Tips and Tricks

### Looking for the most recent research?

By setting up **E-mail Alerts**, you can receive weekly updated records.

There are 3 ways to set up E-mail Alerts.

Please note that you have to be logged into your **Personal Account** before setting up E-mail Alerts.

After running a search on Engineering Village:

#### Option 1

Click on **Search History** from the top of Engineering Village page. Check the box in the Email Alert column that corresponds to your search.

#### Option 2

Click on **My Profile** from the top of EV page and then **View/Update Saved Searches**. Check the box in the Email Alert column that corresponds to your search.

#### Option 3

Click on the **Create Alert** hyperlink, next to the orange RSS button, underneath the Search Results headline.

## Ei on display - One Librarian's Special tribute to 125 years of Ei



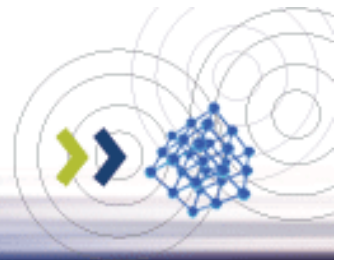
Since 1982 Nestor Osorio has been at Northern Illinois University, where he is currently Professor and Science Engineering Librarian. He received a degree in Mathematics and Physics from the Universidad del Atlantico, Colombia, and Master's degrees in Physics and in Library and Information Science from the State University of New York (SUNY).

As a member of the American Society for Engineering Education, The American Society for Information Science, and the Association for College and Research Libraries Nestor is very much interested in technical information, the use and development of digital collections, content analysis, and bibliometrics. Ei recently spoke with Nestor about an exhibit he created for the month of September, which provided his library community with an overview of the Engineering Index and its role in Engineering history.



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### 125 years of Engineering Insights

In 1884, Professor John Butler Johnson at Washington University in St. Louis, Missouri, began to chronicle the technical progress of our society by abstracting and indexing engineering literature he deemed of "permanent value". Dr. Johnson's notes rapidly grew in popularity among his peers and students, and soon he was publishing them in a monthly column "Index Notes" in the Journal of the Association of Engineering Societies. Through this column, "The Engineering Index" (Ei) was born

**EI MILESTONES**

### The 10 Top Engineering Achievements of the 20th Century

1. Electrification
2. Automobile
3. Airplane
4. Water Supply and Distribution
5. Electronics
6. Radio and Television
7. Agricultural Mechanization
8. Computers
9. Telephone
10. Air Conditioning & Refrigeration

\*Source: National Academy of Engineering

### Engineering Then and Now

**Ei has been capturing engineering innovations for the past 125 years.**

*Telephone without wires*

Author: Prof. Dolbear A.E.

Publication Year: 1886

*The rising tide of risk in wireless*

Author: Tom Costas

Publication Year: 2009

**READ ABSTRACT**

### Product News: New Titles On Referex

This fall, Referex will add almost 200 new titles to its 6 subject collections.

These titles represent the best of what has been published in the past year, across all Elsevier imprints, and will bring the total number of e-books available on Referex to approximately 2,100. To see a full list of this year's Front List titles, [click here](#).

For more information, please contact your account manager, or [email us](#).

### Upcoming Training Sessions

- December 2<sup>nd</sup>, 2009, 10AM (EST), Wednesday, Introduction to Engineering Village
- December 2<sup>nd</sup>, 2009, 2PM (EST), Wednesday, Introduction to Engineering Village
- **Ei support** - Join us for a free online seminar to learn how Engineering Village can help save time, streamline research, and improve results. Visit the [Ei Support Center](#) to register for a free seminar or to get training presentations and/or videos.