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Susana Centeno
Representante
Marzo 22-23, 2010

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- Una sociedad sin fines de lucro
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  - Académica
  - Comercial
    - Editorial
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    - Normas

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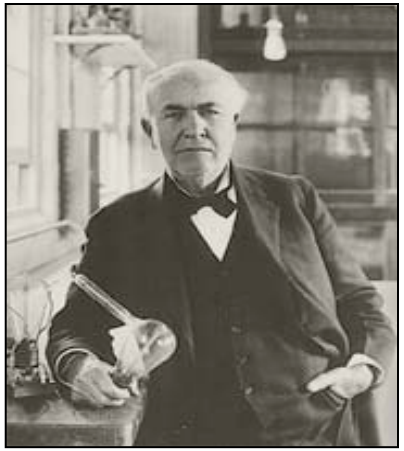
13 de Mayo de 1884

The American Association of Electrical Engineer AIEE

Alexander Graham Bell



Thomas A. Edison

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Ayer.. 1909 hoy… 2009
Premio Nobel en Física

G. Marconi

1912 - IRE
Institute of Radio Engineers

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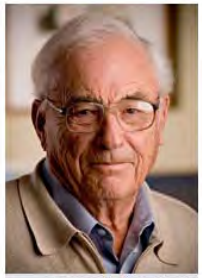
Charles K. Kao

1/2 of the prize

Standard Telecommunication Laboratories
Harlow, United Kingdom;
Chinese University of Hong Kong
Hong Kong, China



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Willard S. Boyle

1/4 of the prize

Bell Laboratories
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George E. Smith

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2009 - IEEE *Xplore* - 2010

IEEE

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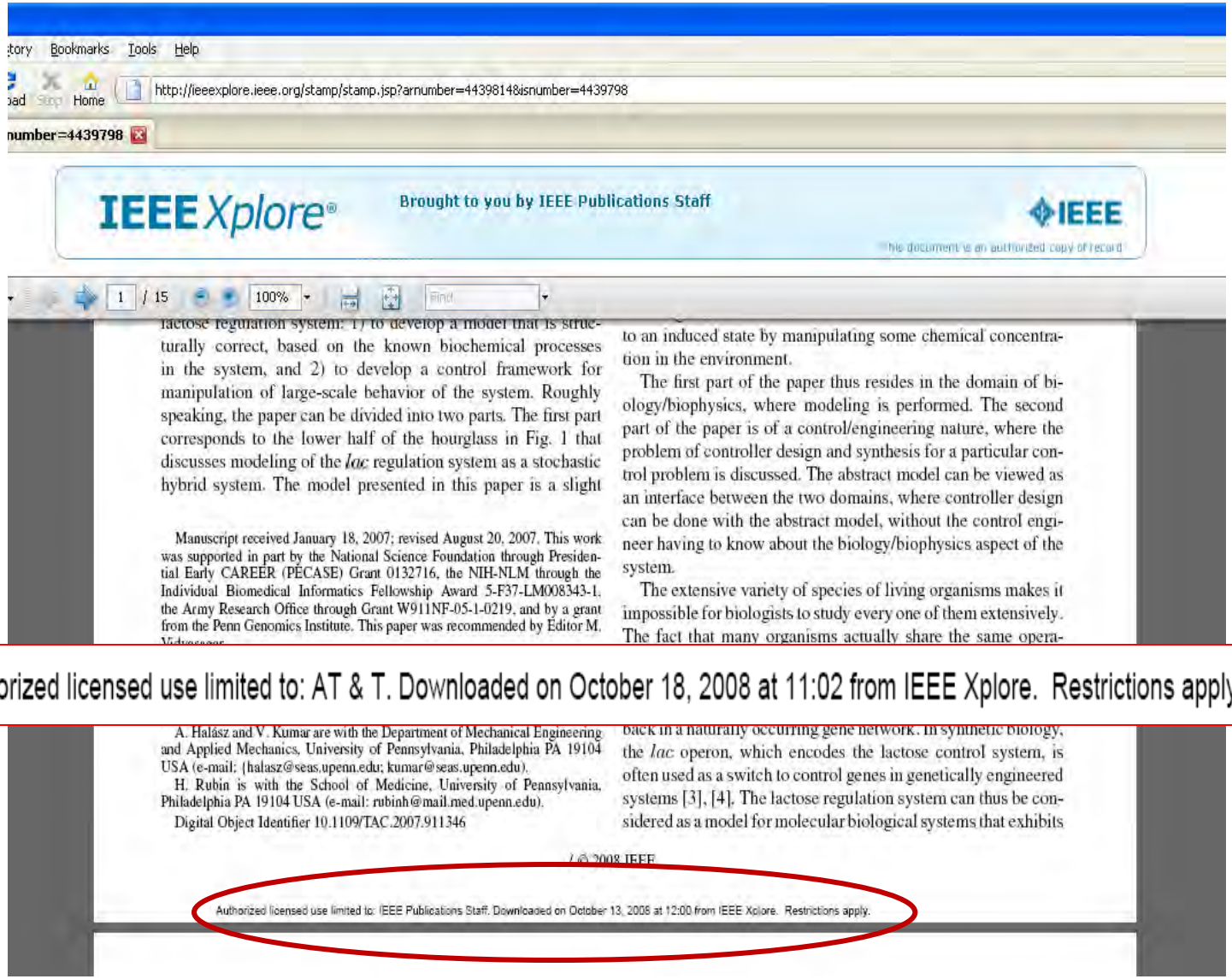

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Títulos agregados en el 2009

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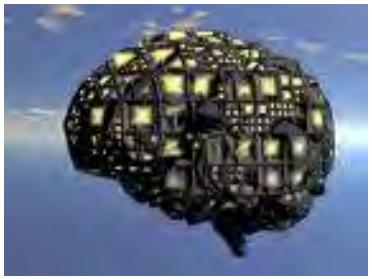

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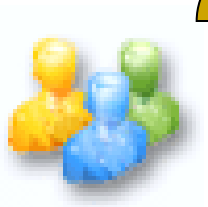
Usuarios en todo el mundo contribuyeron con sus sugerencias al desarrollo de la nueva interfase IEEE *X*plore

Los requerimientos de los usuarios



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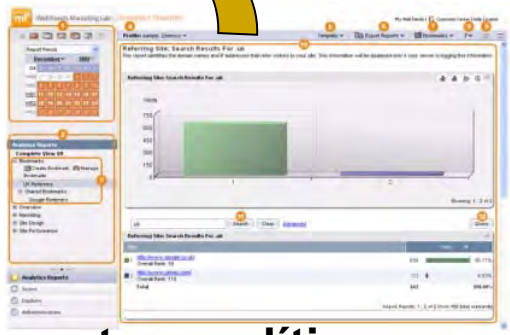

Reportes analíticos

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IEEE *Xplore* hoy

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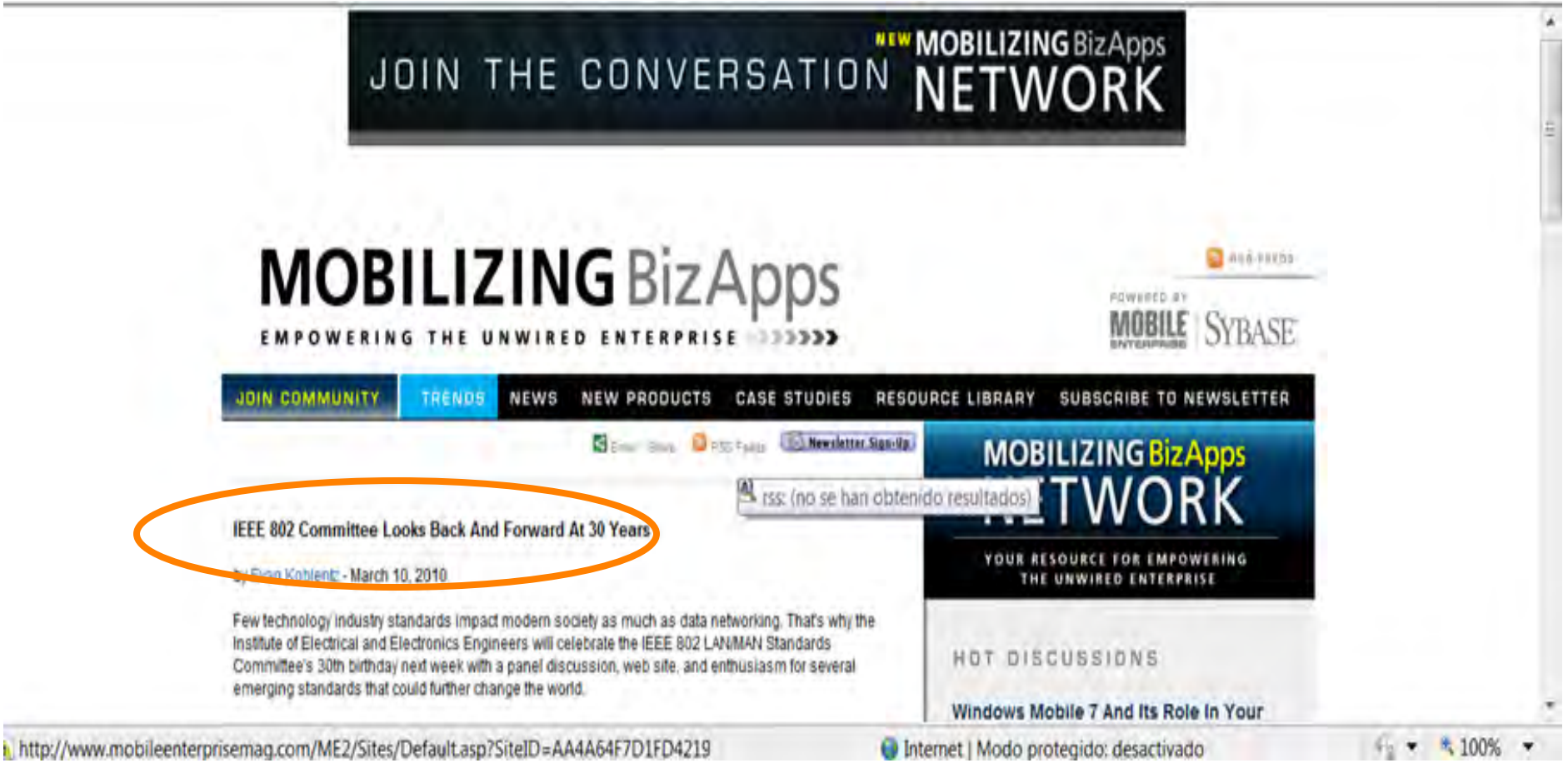

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HISTORY OF WIRELESS
by Tapan K. Sarkar, Robert J. Mailloux, Arthur A. Oliner,
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7

WIRELESS BEFORE MARCONI

I.V. LINDELL, *Helsinki University of Technology, Finland*

7.1 INTRODUCTION

In this short overview we consider steps leading to the introduction of the practical wireless telegraph by Marconi. The principle of operation in these pre-

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Telegraphie,

Figure 7.2. Steinheil was the first to make experiments with wireless electric telegraph making use of the conduction currents in the ground. On the right a printed version of his public talk on the topic in 1838.

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IBM Journal

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-

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- Realidad virtual? X-Men

- Esta disciplina es una realidad de frequente aplicación hoy en dia

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- **1. Fundamentos en Biometría**: una introducción a la biometría, como y donde puede ser usada, y los componentes basicos del sistema.
- 2. **Modalidades en Biometría**: visión general de cada una de las diferentes tecnologías en biometría, su funcionalidad (huellas digitales, iris, reconocimiento facial, patrones de las venas, etc.), ventajas de una sobre otra según la aplicación, guía práctica para su selección y aplicación, introducción a las nuevas tecnologías en el campo.
- 3. **Diseño y Evaluación del sistema en Biometría**: como diseñar un sistema biométrico, probarlo, confirmar su funcionalidad y mantenerlo a salvo y seguro.
- **4. Estándares en Biometría**: una visión práctica sobre los estándares existentes y su aplicación
- **5. Implicaciones sociales, culturales y legales**: se esbozan las cuestiones que deben tenerse en cuenta para diseñar un sistema que sea aceptado por los usuarios.
- **6. Aplicaciones en Biometría**: ejemplos reales resaltando la aplicación de los conceptos dados en los otros módulos, para poder resolver desafíos en cuanto a la aplicación de la identificación y verificación en diferentes industrias.

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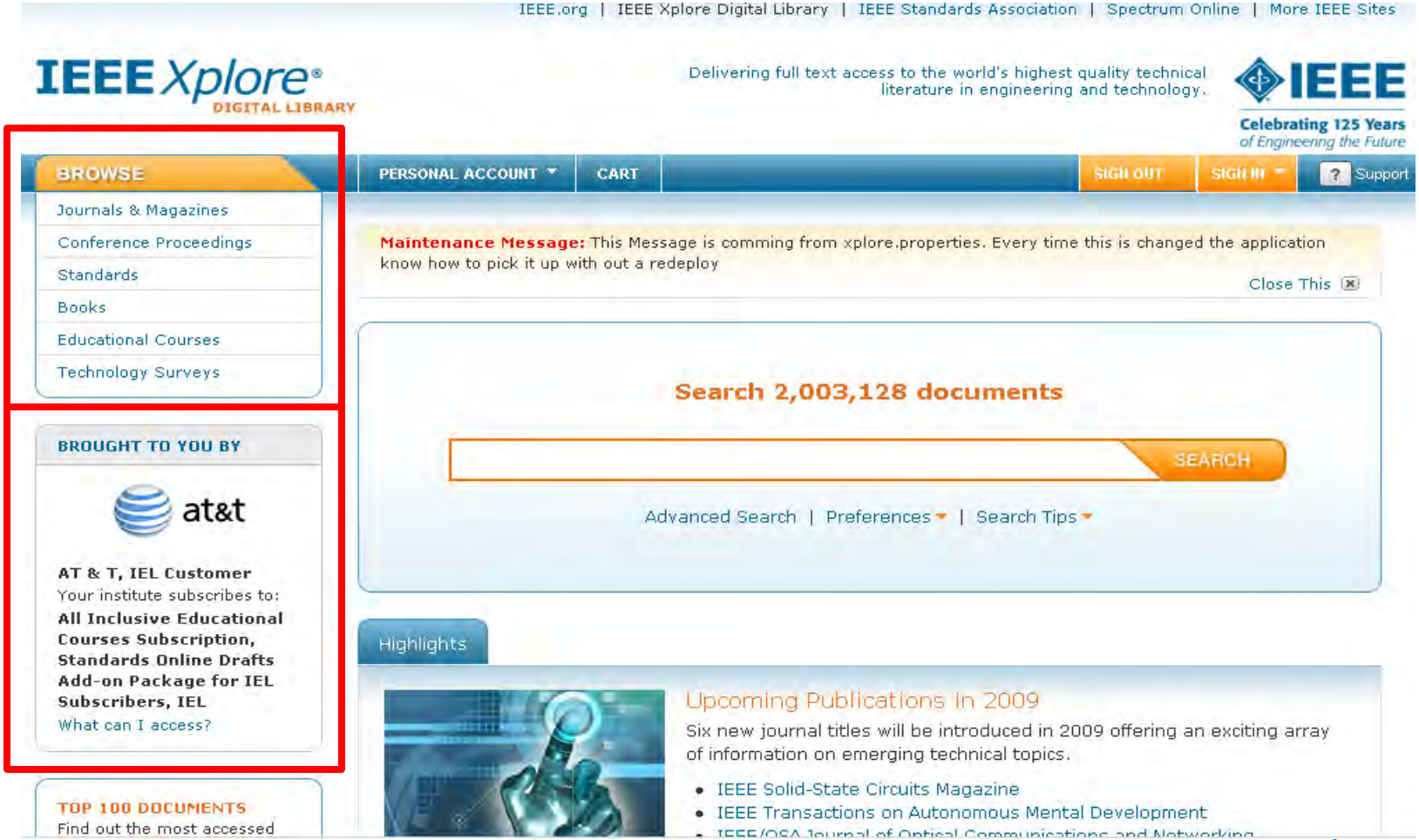

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  - 802.11n-2009 IEEE Standard for Information technology--Telecommunications and information exchange between systems--Local and metropolitan area networks--Specific requirements Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications Amendment 5: Enhancements for Higher Throughput
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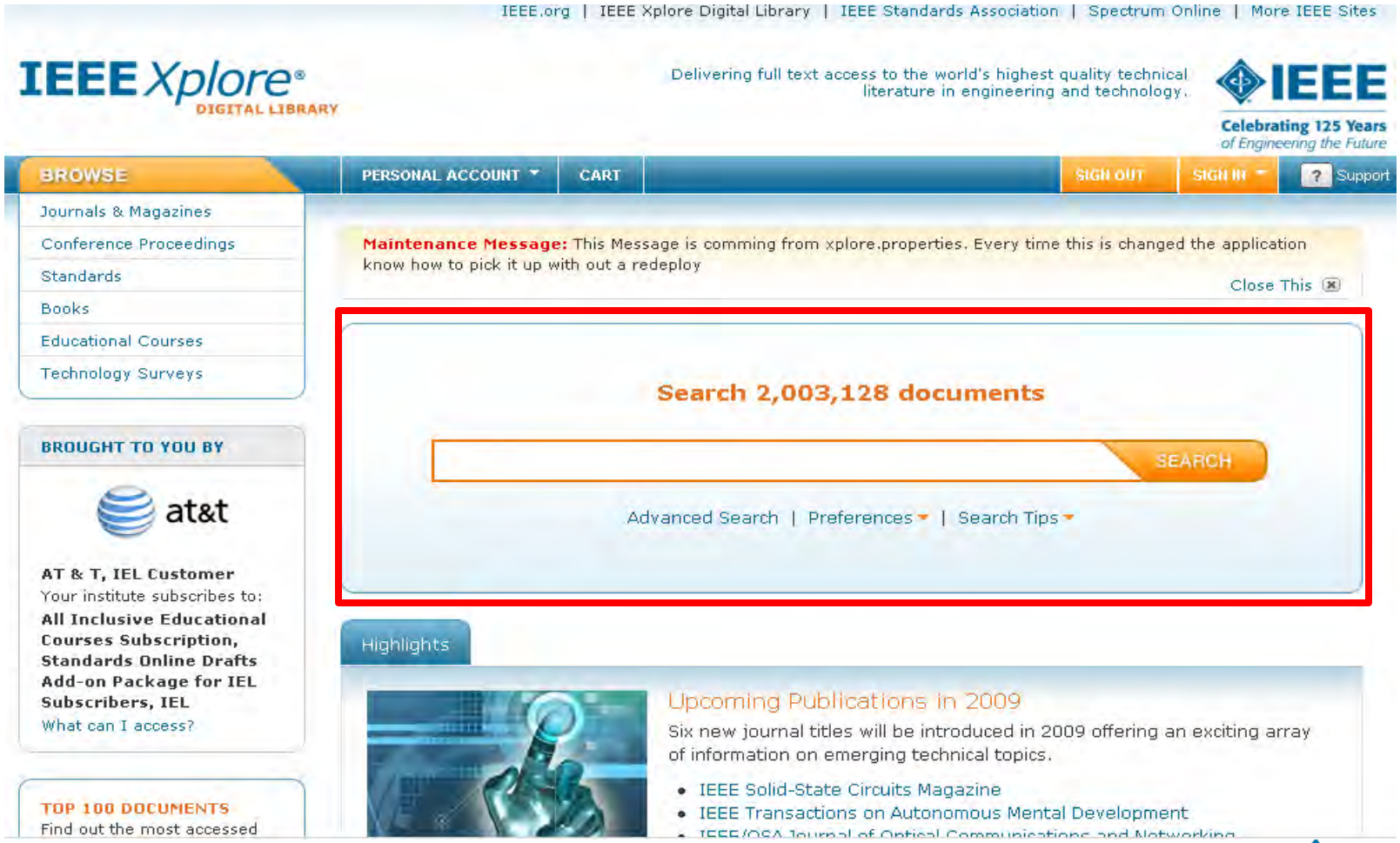

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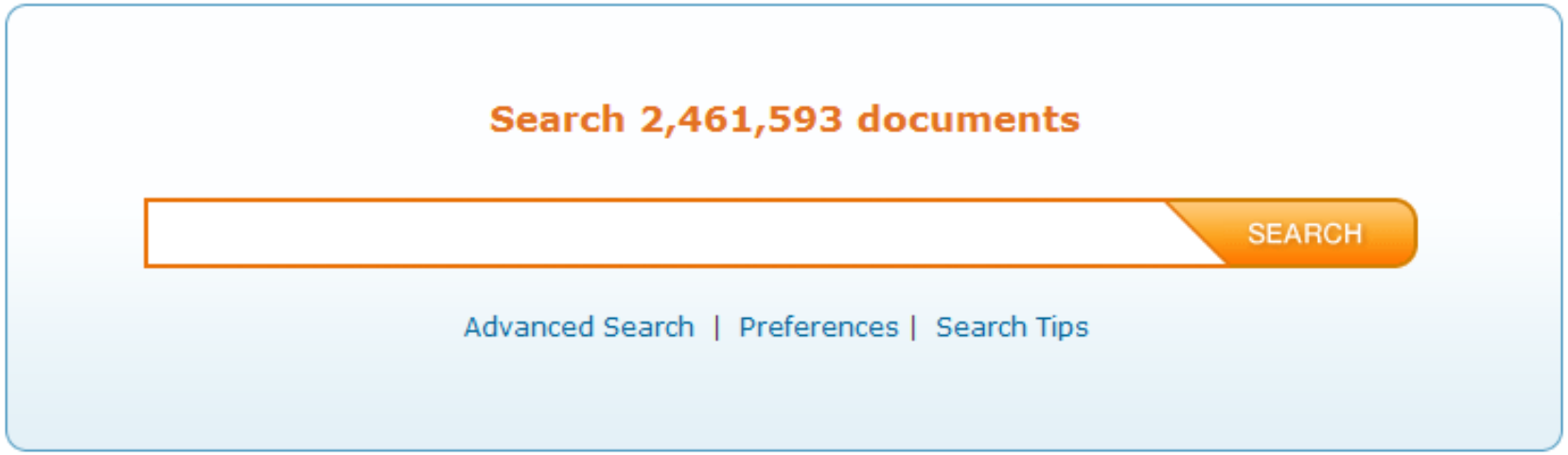

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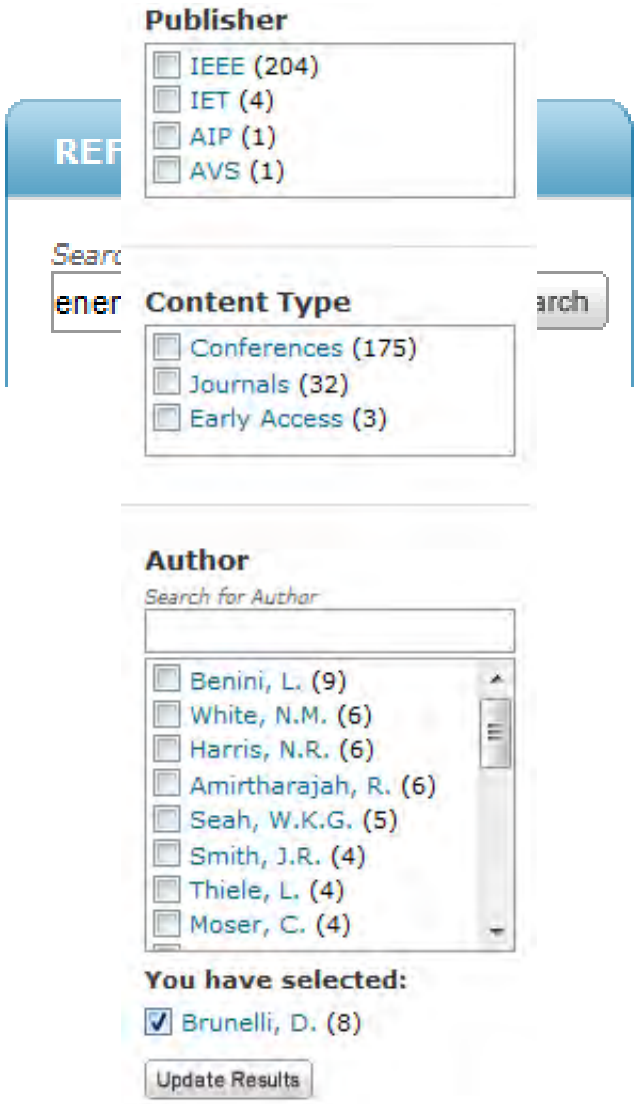

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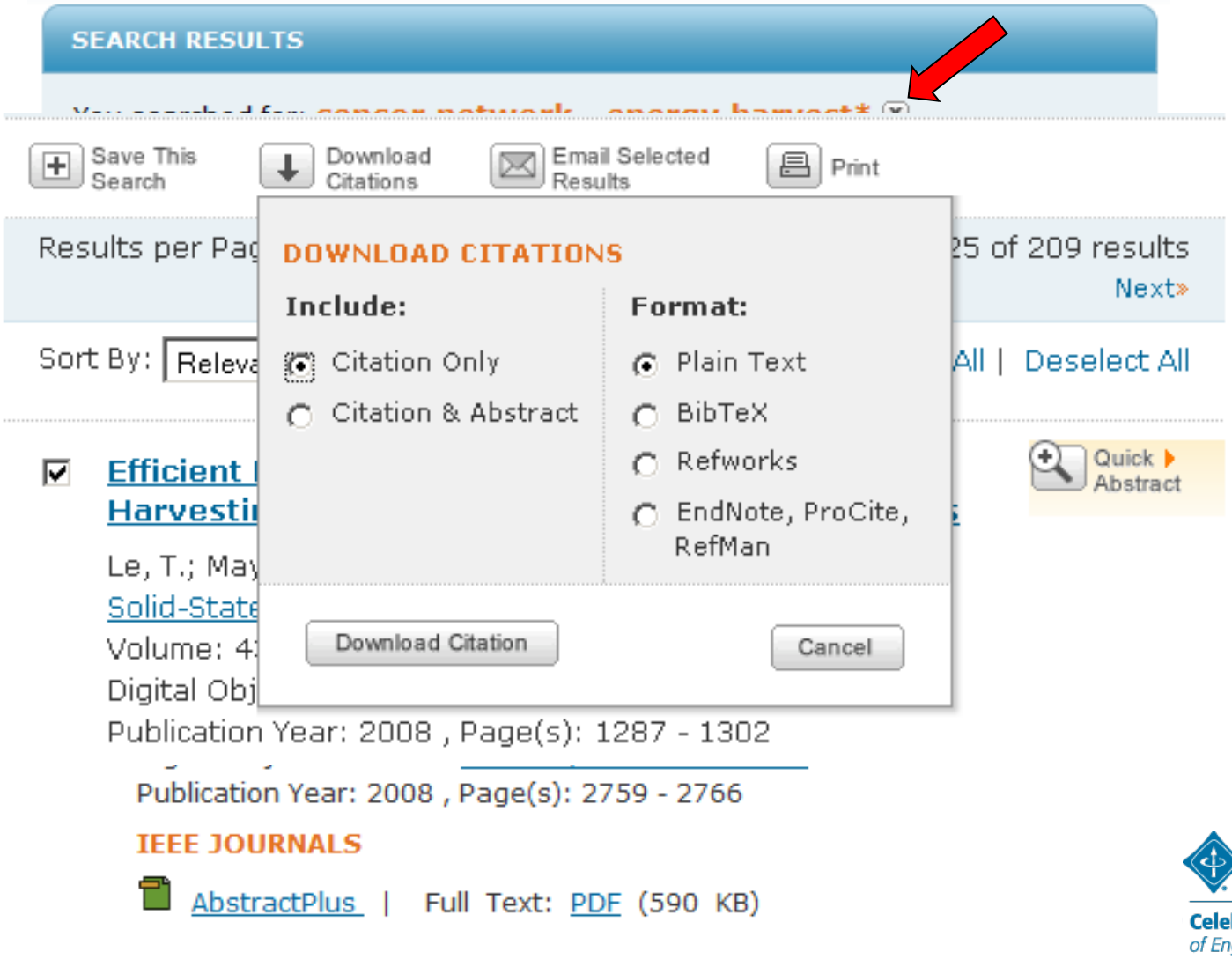

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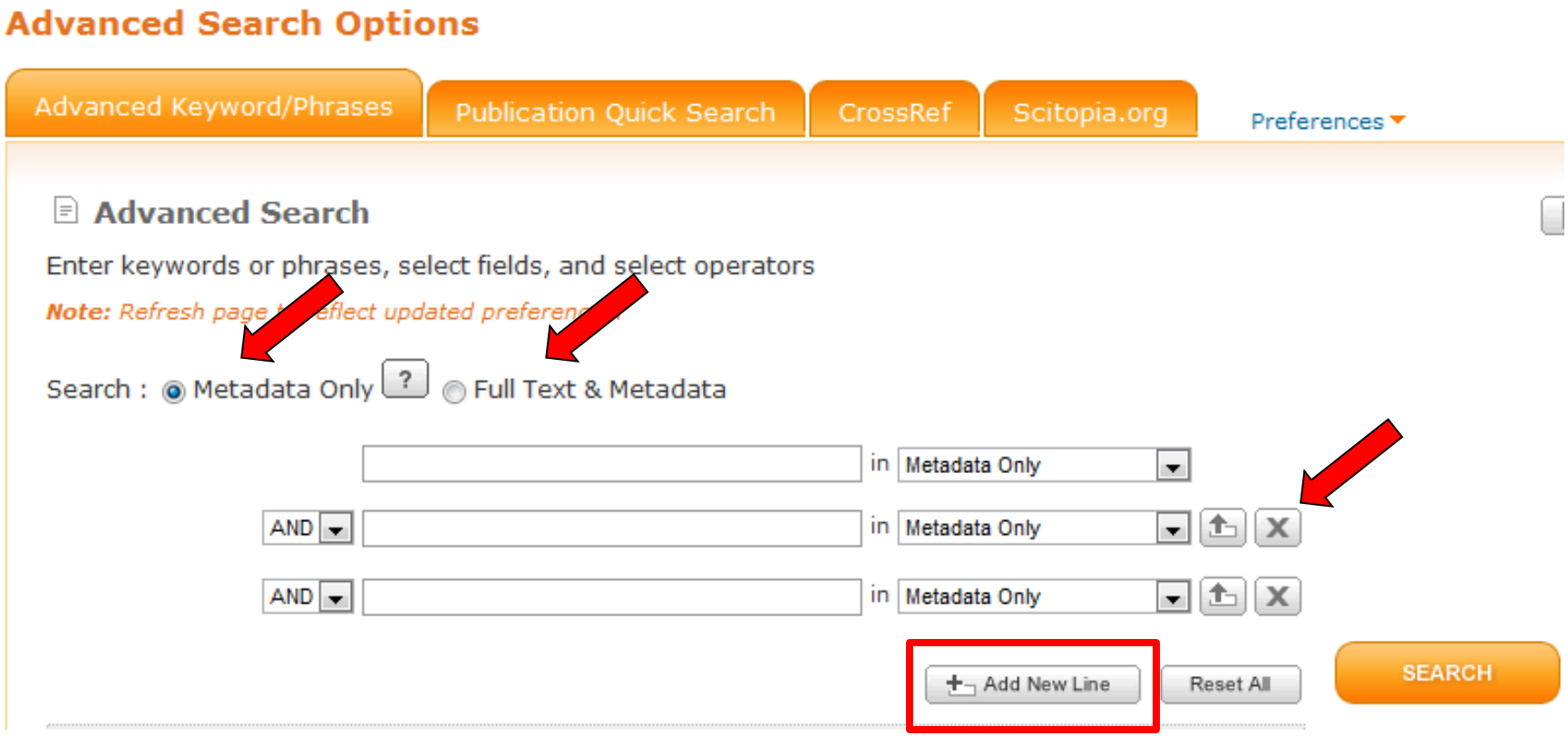

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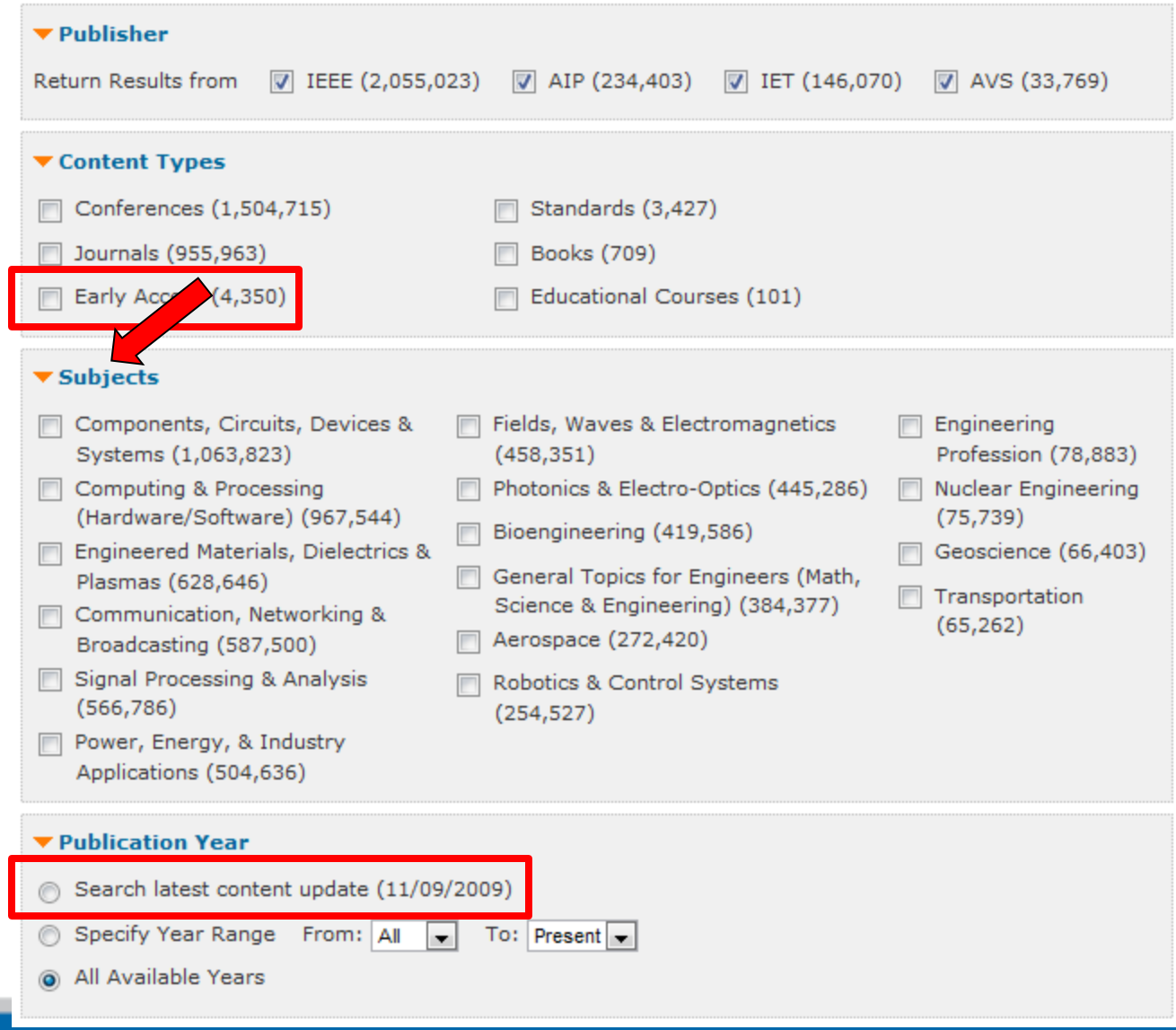

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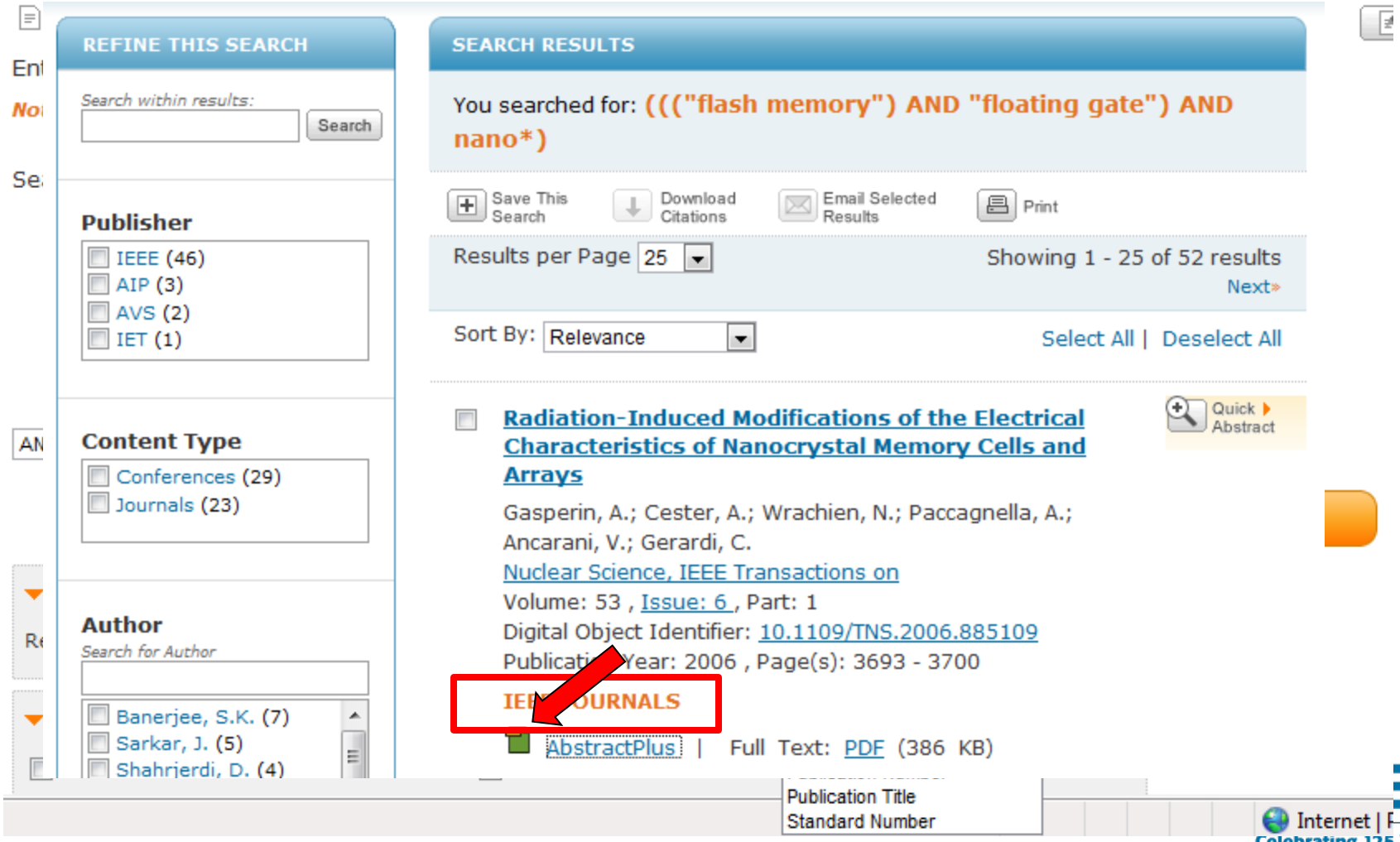

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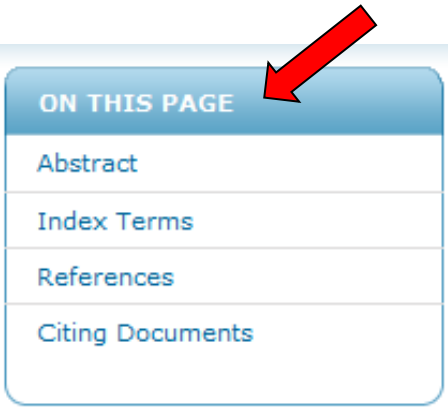

Radiation-Induced Modifications of the Electrical Characteristics of Nanocrystal Memory Cells and Arrays

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This paper appears in: Nuclear Science, IEEE Transactions on
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ABSTRACT

Proton irradiation of nanocrystals memories produces peculiar radiation effects on the electrical characteristics of these devices, owing to their thin tunnel oxide and to the presence of nanocrystals replacing the conventional flash memory floating gate. In this work, we show that the data retention capability is compromised only after high fluences and that irradiated devices do not show accelerated degradation during subsequent electrical stresses. The presence of nanocrystals instead of a floating gate reduces also the quantity of charge lost during irradiation, indicating these devices as possible candidates for space and avionic environments

INDEX TERMS

- **INSPEC**
  - **Controlled Indexing**
    CMOS memory circuits , nanoelectronics , nanostructured materials , proton effects
  - **Non Controlled Indexing**
    CMOS memory integrated circuits , avionic environments , conventional flash memory floating gate , electrical characteristics , nanocrystal memory arrays , nanocrystal memory cells , nonvolatile memories , proton irradiation , radiation effects , space environments , thin tunnel oxide
- **Author Keywords**
  CMOS memory integrated circuits , nonvolatile memories , proton irradiation , radiation effects

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REFERENCES

1. B. De Salvo , G. Ghibaudo , G. Pananakakis , G. Reimbold , F. Mondond , B. Guillaumot and P. Candelier "Experimental and theoretical investigation of nonvolatile memory data-retention", *IEEE Trans. Electron Devices*, vol. 46, pp. 1999,
   Abstract |Full Text: PDF (192KB)
2. C. Gerardi , S. Lombardo , V. Ancarani , D. Corso , G. Ammendola , G. Nicotra , D. Deleruyelle , M. Melanotte , E. Rimini and S. Deleonibus "Fast and low voltage program/erase in nanocrystal memories: impact of control dielectric optimization", *Proc. 20th IEEE Non-Volatile Semiconductor Memory Workshop*, pp. 2004,
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   Nuclear Science, IEEE Transactions on
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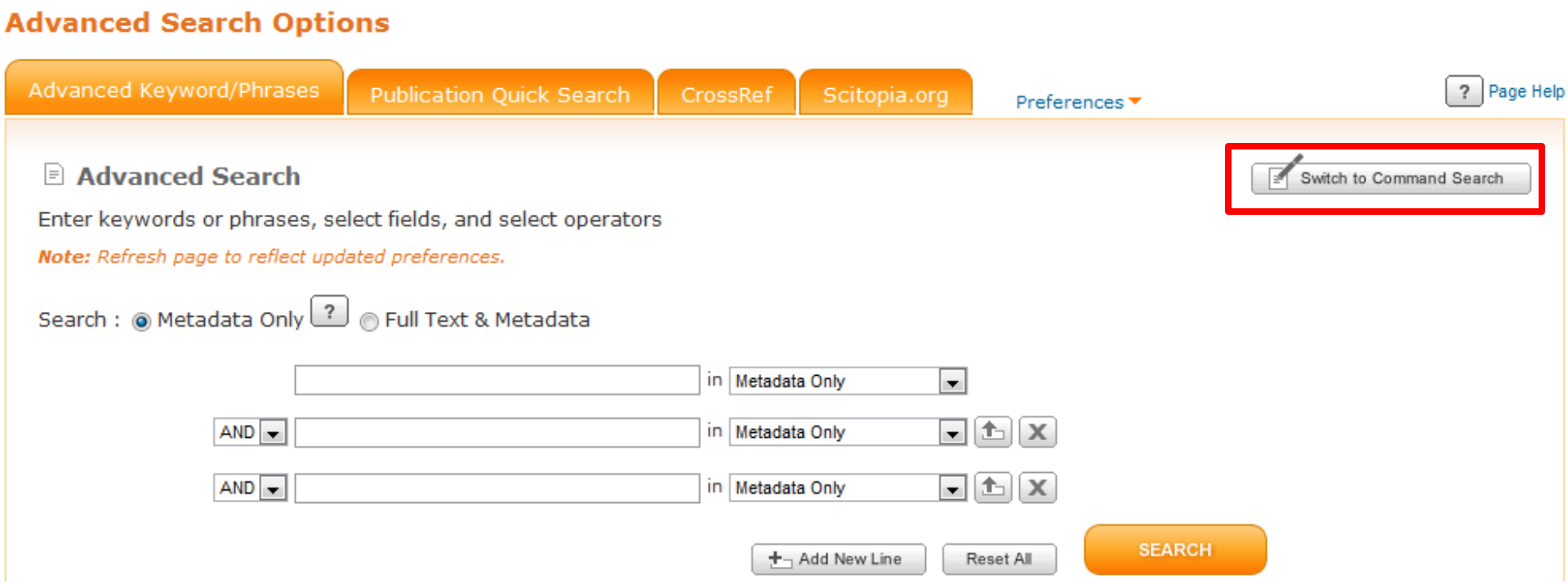

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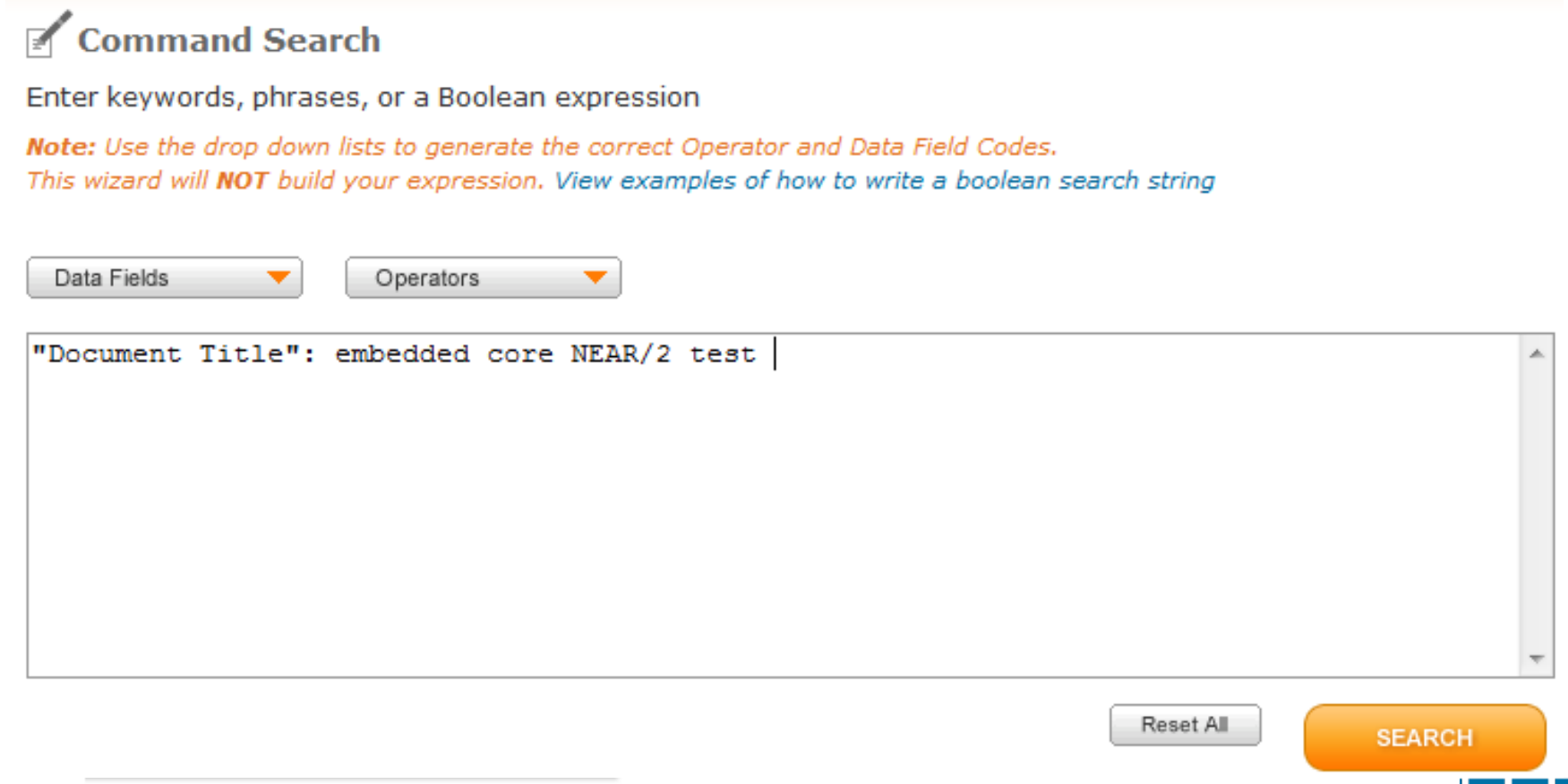

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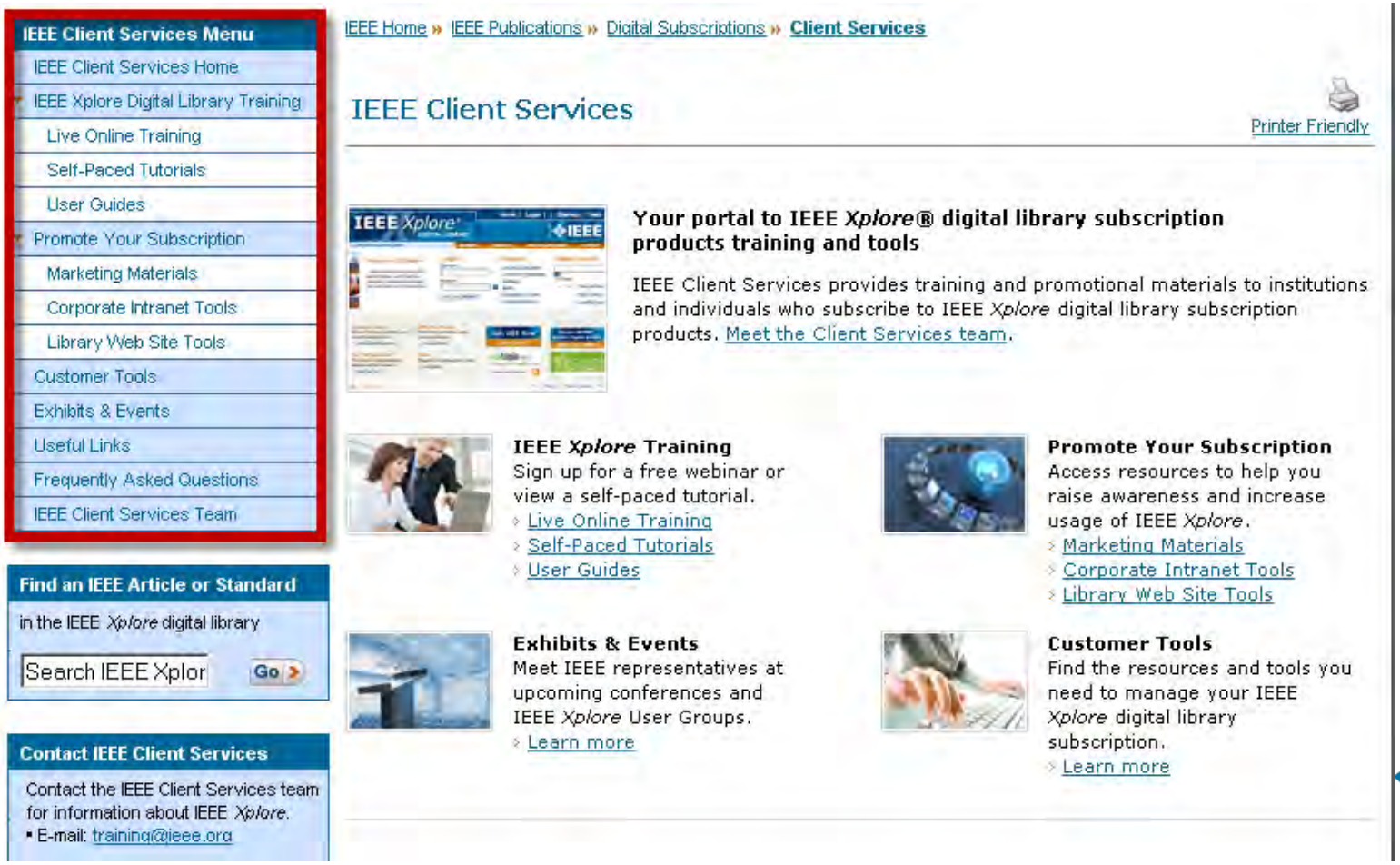

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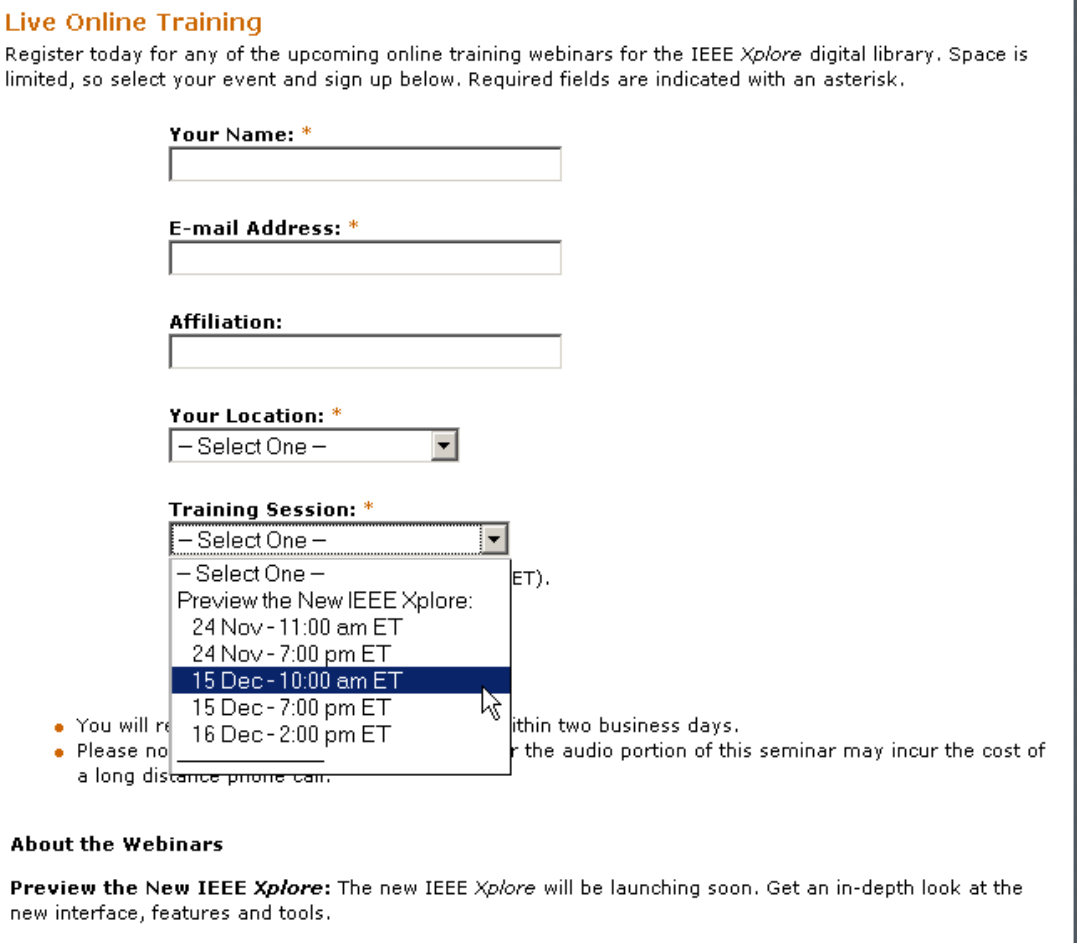

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