

# Guía de Usuario de la base de datos

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LIBRARY



La biblioteca digital de la *Society of Photo-Optical Instrumentation Engineers*, contiene recursos para el estudio de la óptica, la fotónica e ingeniería de la imagen. Dispone de documentos técnicos de la *Society of Photo-Optical Instrumentation Engineers*, revistas y actas de congresos desde 1962 hasta la actualidad.



## Acceso

El uso de la interfaz puede ser a través de los siguientes accesos:

- 1) Para hacer uso óptimo de **TODAS LAS FUNCIONES** de la interfaz, deberá acceder a **MiUV** e ingresar a la **BIBLIOTECA VIRTUAL** en donde encontrará el acceso al recurso: **Fuentes de Información CONRICyT**





Bases de datos por Área Académica ↓

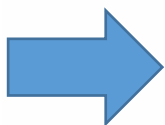


## Biblioteca Virtual

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[Inicio](#) [¿Quiénes somos?](#) [Fuentes de información](#) [Otros sitios de interés](#)

	<b>Base de datos especializada en las áreas de computación, e ingenierías eléctrica y mecánica.</b>
	<b>Base de datos referencias especializada en matemáticas. Incluye referencias bibliográficas y resúmenes.</b>
	<b>Science Journal, versión en línea de la revista publicada por la American Association for Advancement Of Science, incluye áreas temáticas como: energía, óptica y robótica, entre otras.</b>
	<b>Biblioteca Digital de la Society of Photo-Optical Instrumentation Engineers, contiene recursos para el estudio de la óptica, la fotónica e ingeniería de la imagen. Dispone de documentos técnicos de la Society of Photo-Optical Instrumentation Engineers, revistas y actas de congresos desde 1962 hasta la actualidad.</b>



## Basic search

En la página de inicio se encuentra la opción para realizar una búsqueda básica por medio de palabras clave o el tema su interés

The screenshot displays the SPIE Digital Library homepage. At the top, there are navigation links for 'PAPERS', 'PRESENTATIONS', 'JOURNALS', and 'EBOOKS'. A search bar is located in the top right corner, containing the text 'Search Digital Library' and a magnifying glass icon. Below this, a large heading reads 'Search the world's largest collection of optics and photonics applied research.' A search bar is also present in the main content area, containing the word 'robots' and a magnifying glass icon. A yellow button labeled 'SEARCH >' is positioned to the right of this search bar. A blue circle with the number '1' and an arrow points to the search bar containing 'robots'. In the top right corner, there is a yellow circular button that says 'SEE NEW CONFERENCE CONTENT' with an arrow pointing right. The bottom right corner of the main content area has a link for 'ADVANCED SEARCH >'.



- Dentro de la búsqueda básica da la opción de delimitar; así como descargar en PDF

**SEARCH RESULTS**  
23,340 results found for: **robots**

Seleccionar idioma | Translatbr Disclaimer

Receive Search Email Alert

Sort By Relevance | Display 25 per page | 23,340 results

**REFINE BY**

**SEARCH WITHIN RESULTS**  
Search within

**PUBLICATION**

- Conference Proceedings (21,652)
- Paper (21,539)
- Presentation (1207)
- Journal Article (1574) +

Proceedings Paper | 1 January 1987  
**Multiresolutional Pyramidal Knowledge Representation And Algorithmic Basis OTMAS**  
A. Meystel, R. Bhatt, D. Gaw, P. Graglia, S. Waldon  
Proc. SPIE. 852, Mobile Robots II  
KEYWORDS: Astatine, Computing systems, Control systems, Intelligence systems, Mobile robots, Resistance, Robots, Sensors, Stochastic processes, Systems modeling  
Read Abstract +

Proceedings Paper | 28 May 1980  
**Industrial Robots: Today And Tomorrow**  
J. Saveriano  
Proc. SPIE. 220, Optics in Metrology and Quality Assurance

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Resultado destacando la palabra clave



## Advanced search:

Realizar una búsqueda avanzada permite opciones para delimitar por palabra clave, título, autor, tipo de documento, rango año, etc.

**Search the world's largest collection of optics and photonics applied research.**

SEE NEW CONFERENCE CONTENT →

Enter Search Term   **2**

ADVANCED SEARCH >

⌵

### Keywords/Phrases

Keywords  in  Remove

in  Remove

in  Remove

[+ Add another field](#)

### Search In:

Proceedings Volume

Journals + Volume  Issue  Page

eBooks +

### Publication Years

Range

Single Year



- El resultado de la búsqueda avanzada da la opción de delimitar y descargar en PDF

Menor número de resultados

**SEARCH RESULTS**

43 results found for: X KEYWORDS:(robot) AND (Robot Vision Overview) AND (e. Hall)

Seleccionar idioma | Translator Disclaimer

Receive Search Email Alert

X Journal Volume: Robot Vision Overview X Journal Issue: E. Hall X Journal Page: Robots

Sort By Relevance Display 25 per page 43 results

Proceedings Paper | 22 July 1985  
**Robot Vision Overview**  
E. Hall, J. Nurie  
Proc. SPIE 528, Digital Image Processing  
KEYWORDS: 3D image processing, Cameras, Digital image processing, Image segmentation, Inspection, Machine vision, Manufacturing, Robot vision, Robotics, Sensors  
Read Abstract +

Proceedings Paper | 25 February 1987  
**Path Planning For A Vision-Based Autonomous Robot**  
Ronald Arkin

REFINE BY

SEARCH WITHIN RESULTS  
Search within

PUBLICATION  
 Conference Proceedings (42)  
 Paper (42)  
 Presentation (3)  
 Journal Article (1) +

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- Dentro del artículo seleccionado, se encuentra el acceso a la información de los autores, un resumen del artículo, citación, compartirlo y puede descargarlo en PDF

**Overview Of Navy Robotics** Translator Disclaimer

S. Y. Harmon, G. R. McDevitt  
[Author Affiliations +](#)

[Proceedings Volume 0360, Robotics and Industrial Inspection](#), (1983)  
<https://doi.org.ezproxy.cdigital.uv.mx:8443/10.1117/12.934084>  
Event: [26th Annual Technical Symposium](#), 1982, San Diego, United States

ARTICLE CITED BY

**Abstract**  
Robotics technology can be applied to numerous areas of naval operations. Three general areas of applications are discussed in this paper: (1) production, (2) support and (3) operations. Production applications involve manufacturing naval material. Shipbuilding robots are the primary production applications currently of interest to the Navy. Support activities ensure the availability of both expendable and permanent equipment resources at the field units. The most near term support applications of robots are maintenance and repair applications. Operations applications use robots as active parts of the battle process. Robots for naval battlefield operations which could perform such tasks as surveillance, intelligence collection, communications and C3 countermeasures are well within the capabilities of existing technology. This area of Navy applications requires the most advanced technology of all the other areas. The Navy robots which will find the quickest and widest implementations will be those for which there is substantial industrial experience and commercial

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S. Y. Harmon and G. R. McDevitt "Overview Of Navy Robotics", Proc. SPIE 0360, Robotics and Industrial Inspection, (23 May 1983); <https://doi.org.ezproxy.cdigital.uv.mx:8443/10.1117/12.934084>

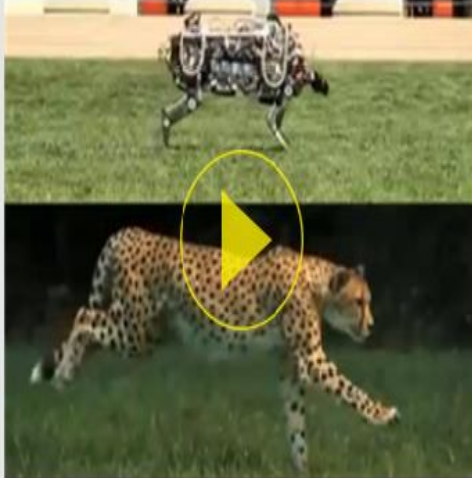



3. *New proceedings:*  
permite ver lo más nuevo en actas o congresos

4. *Featured presentation:*  
Videos destacados de conferencias seleccionadas/.PPT además de multimedia integral para revistas y artículos de procedimientos

5. *Featured Article:*  
Artículos destacados



3	4	5
<p><b>SPIE.</b> DEFENSE+ COMMERCIAL SENSING GO &gt;</p> <hr/> <p><b>SPIE.</b> SMART STRUCTURES+ NONDESTRUCTIVE EVALUATION GO &gt;</p> <hr/> <p><b>SPIE.</b> PHOTONICS EUROPE DIGITAL FORUM GO &gt;</p> <hr/> <p><b>SPIE.</b> ADVANCED LITHOGRAPHY GO &gt;</p>		
<b>New Proceedings</b>	<b>Featured Presentation</b>	<b>Featured Article</b>
<a href="#">Read Recent Conference Proceedings</a>	<a href="#">Watch the Presentation</a>	<a href="#">Read the Article</a>

6. *Top Downloads by Technology:*  
Ver los artículos más descargados por el área de tecnología.

ANNOUNCEMENTS

6

**TECHNOLOGIES**  
The top downloads by technology, from SPIE Journals and Proceedings

**ASTRONOMY**

[Review: far-infrared instrumentation and technological development for the next decade](#)  
J. Astronomical Telescopes, Instruments, and Systems (2019) Open Access

[Concept design of the LiteBIRD satellite for CMB B-mode polarization](#)  
Proceedings of SPIE (2018)

**BIOMEDICAL OPTICS & MEDICAL IMAGING**

[Is there a role for image science in the brave new world of artificial intelligence?](#)  
J. Medical Imaging (2020) Open Access

[Sinogram interpolation for sparse-view micro-CT with deep learning neural network](#)

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7. Papers: acceso directo a los artículos de las conferencias SPIE reúnen a ingenieros y científicos para presentar sus últimas investigaciones y establecer contactos con sus pares.

- *Nota:* examina los documentos por conferencia, año, volumen número o título del volumen.

The screenshot shows the SPIE Digital Library website. At the top, there are navigation links for SPIE, SPIE Digital Library, SPIE Career Center, and optics.org. A search bar is on the right with the text 'Search Digital Library'. The main navigation menu includes 'PAPERS', 'PRESENTATIONS', 'JOURNALS', and 'EBOOKS'. The 'PAPERS' link is highlighted in yellow. Below the navigation, the page title is 'Proceedings'. A large blue circle with the number '7' is overlaid on the page. The main text describes SPIE conferences and their proceedings. A photograph of a man in a suit speaking at a podium is on the right. At the bottom of the main content area, there are links for 'Recent SPIE Conferences', 'Browse by Year', and 'Browse by Volume Number'.

The screenshot shows the 'New Proceedings' and 'Featured Presentation' sections of the SPIE Digital Library website. The 'NEW PROCEEDINGS' section is highlighted in yellow and contains a grid of six items, each with a 'GO >' link. The items are: SPIE. DEFENSE+ COMMERCIAL SENSING, SPIE. ADVANCED LITHOGRAPHY, SPIE. SMART STRUCTURES+ NONDESTRUCTIVE EVALUATION, SPIE. MEDICAL IMAGING, SPIE. PHOTONICS EUROPE DIGITAL FORUM, and SPIE. PHOTONICS WEST. Below this grid is the heading 'New Proceedings' and the text 'RECENTLY PUBLISHED SPIE CONFERENCE PROCEEDINGS' with a link 'View the Proceedings'. The 'PRESENTATIONS' section is also highlighted in yellow and features a video player with a play button. The video is titled 'Featured Presentation' and has the subtitle 'A NATIONAL LABORATORY "CRYSTAL BALL" LOOK INTO THE FUTURE OF SENSING AND IMAGING SYSTEMS'. A link 'Watch the Presentation' is at the bottom right.



8. Presentations : acceso directo a videos de conferencias dadas en SPIE y publicadas como parte de las actas. Incluyen la narración del orador con video de las diapositivas y animaciones.

- **Nota:** delimitar por año, nombre de conferencia, tecnología, palabra clave, de acceso abierto y tipo de contenido

**SPIE DIGITAL LIBRARY** CONFERENCE PROCEEDINGS PAPERS **PRESENTATIONS** JOURNALS EBOOKS

ADVANCED SEARCH >

Search Digital Library

## 8 Conference Presentations

Conference Presentations are recordings of oral presentations given at SPIE conferences and published as part of the proceedings. They include the speaker's narration with video of the slides and animations. Most include full-text papers. Interactive, searchable transcripts and closed captioning are now available for most presentations.

Search our growing collection of more than 26,000 conference presentations, including many plenaries and keynotes.

Sort By **Newest to Oldest** Display **20 per page** **26,670 results**

**REFINE BY**

**SEARCH WITHIN PRESENTATIONS**

Search within

**YEAR**

Range

1962 2020

Single Year

**Waveform-averaging airborne laser bathymetry scanner**  
Martin Pfennigbauer, et al.  
20:55

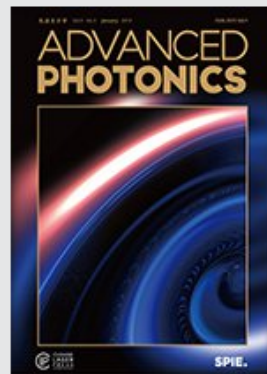
**Approximate graph spectral decomposition with the Variational Quantum Eigensolver**  
Josh Payne, et al.  
12:49

**Reciprocity-enhanced transmitter diversity for lasercom (Conference Presentation)**  
Jeffrey Roth, et al.  
15:09

**Label-free neurophotonics: electro-plasmonic biosensors for ultrasensitive detection of electrogenic activity of cells (Conference Presentation)**  
Ahsan Habb, et al.  
18:07



9. *Journals*: las revistas SPIE se dedican a avanzar en la ciencia y la aplicación de la luz y las tecnologías basadas en la luz. Todos los artículos publicados en revistas han sido sometidos a una rigurosa revisión por pares, así como a la edición y composición profesional.



### Advanced Photonics

*Advanced Photonics*, co-published by SPIE and Chinese Laser Press, is a highly selective, open access, international journal publishing innovative research in all areas of optics and photonics, including fundamental and applied research.

[Current Issue](#) | [All Issues](#) | [Issues In Progress](#)



### Journal of Applied Remote Sensing

The *Journal of Applied Remote Sensing (JARS)* is an online journal that optimizes the communication of concepts, information, and progress within the remote sensing community to improve the societal benefit for monitoring and management of natural disasters, weather forecasting, agricultural and urban land-use planning, environmental quality monitoring, ecological restoration, and numerous other commercial and scientific applications.

[Current Issue](#) | [All Issues](#) | [Issues In Progress](#)

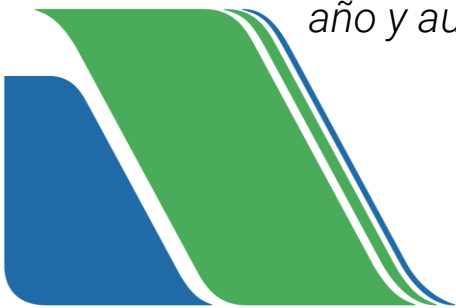


10. Ebooks: acceso SOLO A UNA MUESTRA (no a texto completo) a la colección creciente de títulos de libros de SPIE Press.

The screenshot shows the SPIE Digital Library website. At the top, there are logos for SPIE, SPIE Digital Library, SPIE Career Center, and optics.org. A navigation bar includes 'Sign In', 'View Cart', and 'Help'. A search bar is labeled 'Search Digital Library' with a magnifying glass icon. A blue circle with the number '10' is overlaid on the page. Below the search bar, the 'EBOOKS' category is highlighted in yellow. The main content area is titled 'eBooks' and contains a descriptive paragraph about the collection. Below this, there are two checkboxes: 'Subscribe to Digital Library' (checked) and 'Receive Email Alerts on Newly Released Titles' (unchecked). A 'REFINE BY' filter is visible on the left. The search results section shows 'Sort By: Newest to Oldest', 'Display: 20 per page', and '415 results'. Four book covers are displayed in a grid:

- A Lithographer's Guide to Patterning CMOS Devices with Directed Self-Assembly** by Douglas J. Guerrero
- Photoacoustic Tomography with High-Energy Pulsed Laser Diodes** by Sandeep K. Kalva and Manojit Pramanik
- Mid-Infrared Germanium Photonics** by Zhenzhou Cheng, Weicheng Chen, and Tiegeng Liu
- Optimal Bayesian Classification** by Lori Dalton and Edward Dougherty

- *Nota: delimitar búsqueda por tecnología, series, año y autor*



**¡Gracias!**

Si tiene alguna duda o requiere apoyo puede mandar un correo electrónico a la siguiente cuenta:

[bv@uv.mx](mailto:bv@uv.mx)

