

SPIE Digital Library

이용매뉴얼

신원데이터넷

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1. 출판사 소개
2. SPIE Digital Library Contents
3. SPIE Digital Library 이용방법
4. 부가기능
 - Email Alert
 - My Article Collection
5. 주의사항

“The largest collection of optics and photonics content in the world”

⊙ 비영리 기관인 SPIE는 1955년 설립되어 현재 185개국 이상, 25만명 이상의 회원 보유
연간 25개의 major conference를 진행 또는 지원 중

⊙ 주제분야

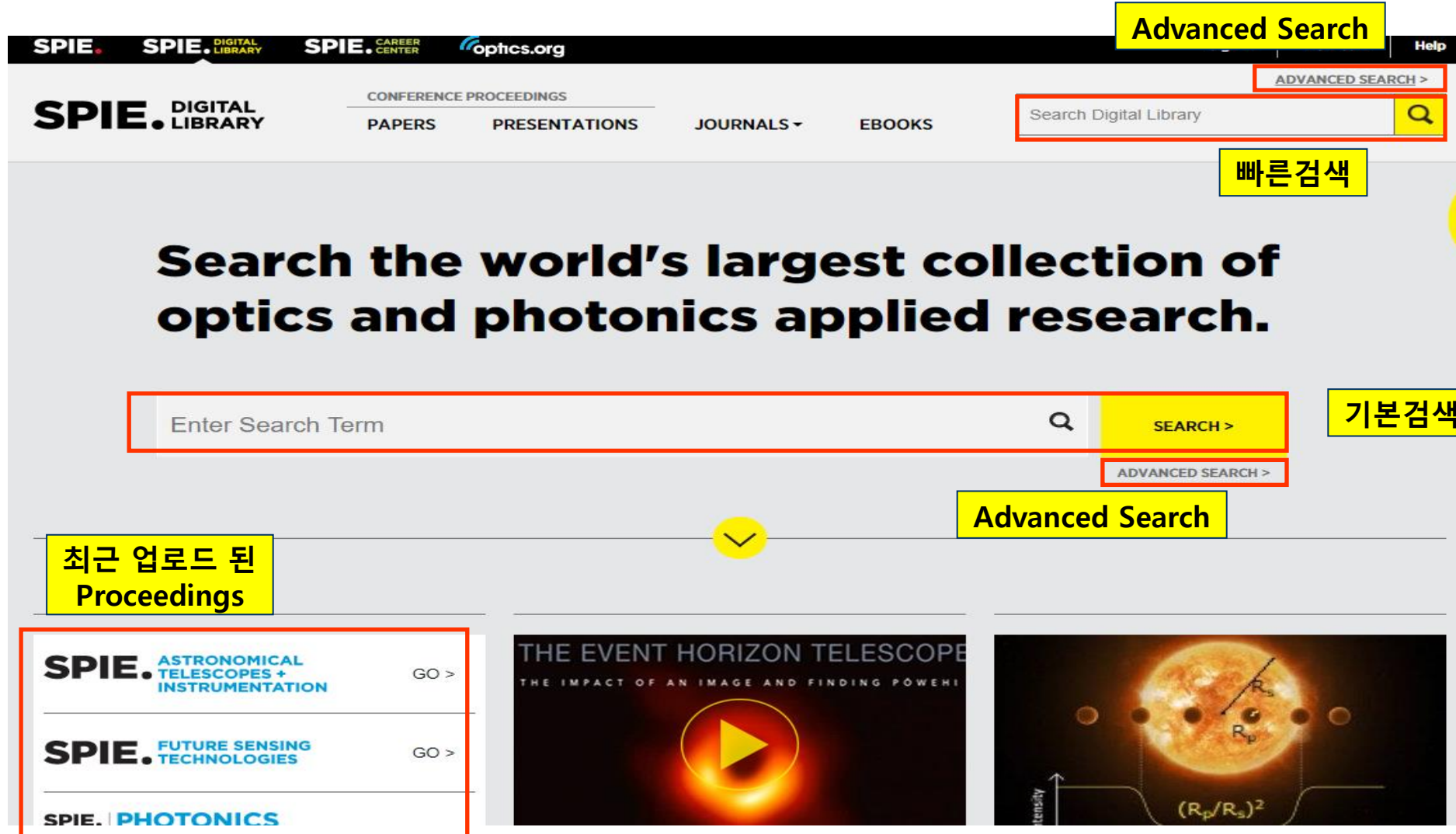
- Astronomy
- Biomedical Optics and Medical Imaging
- Communications and Information Technology
- Defense and Security
- Electronic Imaging and Signal Processing
- Energy
- Lasers
- Light Sources and Illumination
- Lithography and Microelectronics
- Metrology
- Nanotechnology
- Optics
- Remote Sensing
- Sensors

⊙ 제공 Contents

- URL : <https://www.spiedigitallibrary.org>
- 1962년 이후 자료 제공
- Journal : 15종 (6종 open access)
- eBook : 약 500권
- Conference Proceedings : 350개 이상의 Proceedings Volume
- 약 550,000 건 이상의 technical papers와 Presentations 제공
- 매년 약 18,000건의 technical papers와 약 25건의 eBooks 추가

2. SPIE Digital Library – 메인 화면

SPIE DL URL: <https://www.spiedigitallibrary.org/>



The screenshot shows the SPIE Digital Library homepage. At the top, there is a navigation bar with logos for SPIE, SPIE Digital Library, SPIE Career Center, and optics.org. A search bar is located in the top right, with a yellow box labeled "Advanced Search" above it and a red box around the search input field. Below the search bar, the main heading reads "Search the world's largest collection of optics and photonics applied research." Below this heading is a large search input field with a red border, containing the text "Enter Search Term". To the right of this field is a yellow "SEARCH >" button and a red box labeled "기본검색". Below the search field is a yellow box labeled "빠른검색". A yellow box labeled "Advanced Search" is positioned above a dropdown arrow. Below the dropdown arrow is a yellow box labeled "최근 업로드 된 Proceedings". Underneath, there are three featured items: "SPIE. ASTRONOMICAL TELESCOPES + INSTRUMENTATION" with a "GO >" button, "SPIE. FUTURE SENSING TECHNOLOGIES" with a "GO >" button, and "SPIE. PHOTONICS". To the right of these items are two large images: one for "THE EVENT HORIZON TELESCOPE" with a play button, and another showing a diagram of a star with labels R_p and R_s and the equation $(R_p/R_s)^2$.

SPIE DL 메인 화면 > “Papers”

SPIE. DIGITAL LIBRARY CONFERENCE PROCEEDINGS **PAPERS** PRESENTATIONS JOURNALS - EBOOKS **ADVANCED SEARCH >**

Proceedings

SPIE conferences bring together engineers and scientists to present their latest research and to network with peers. Each year SPIE conferences result in approximately 350 proceedings volumes comprising 16,000+ papers and presentation recordings reporting on photonics-driven advancements in areas such as biomedicine, astronomy, defense and security, renewable energy, and more.

[Recent SPIE Conferences](#) | [Browse by Year](#) | [Browse by Volume Number](#)

Browse by:

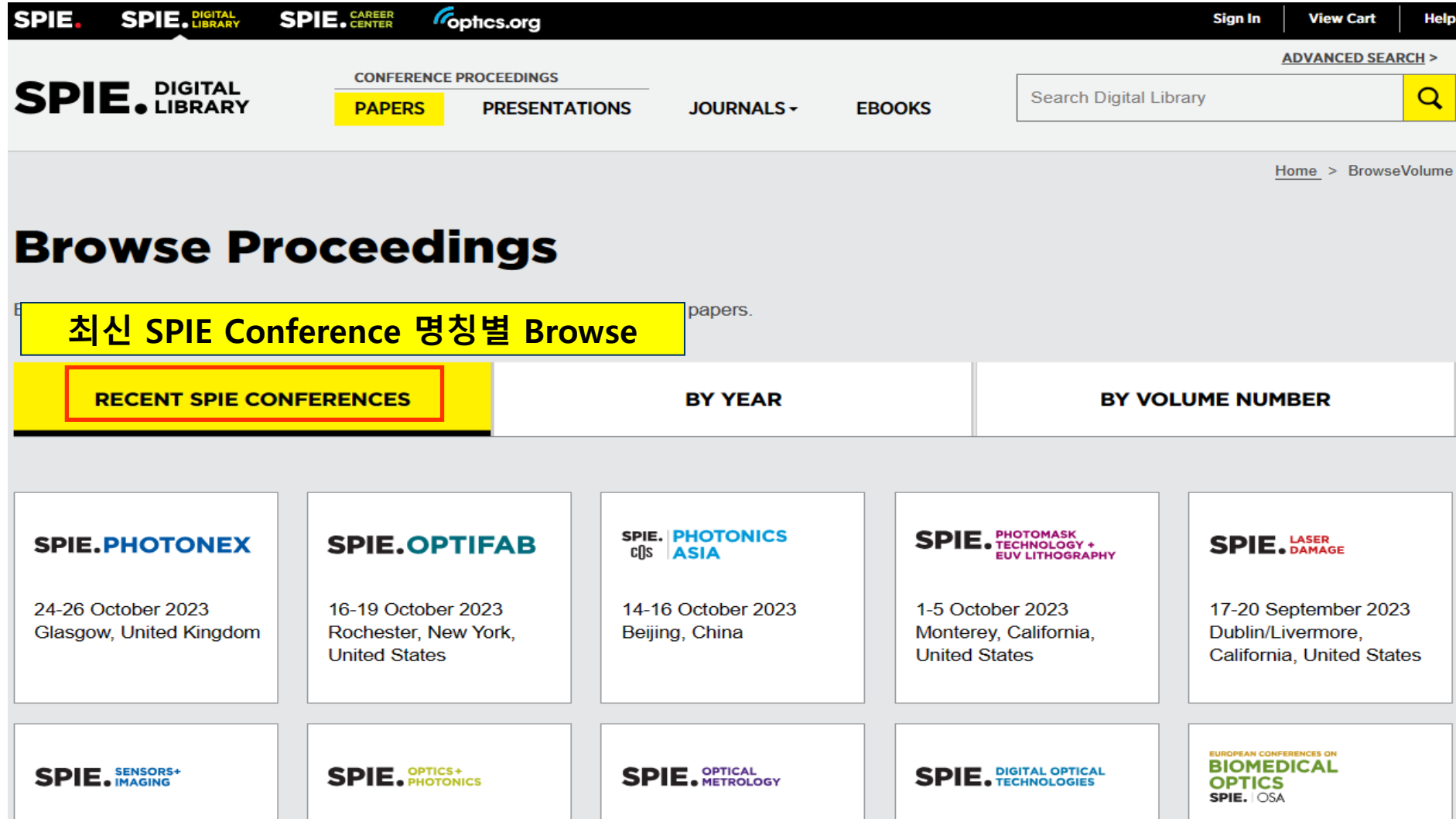
- ▶ Recent SPIE Conferences
- ▶ Year
- ▶ Volume Number

[Subscribe to Digital Library](#) [Receive Email Alerts on Newly Released Proceedings Volumes](#)

SPIE DL 최신 Proceedings **SPIE DL Presentations**

NEW PROCEEDINGS **PRESENTATIONS**

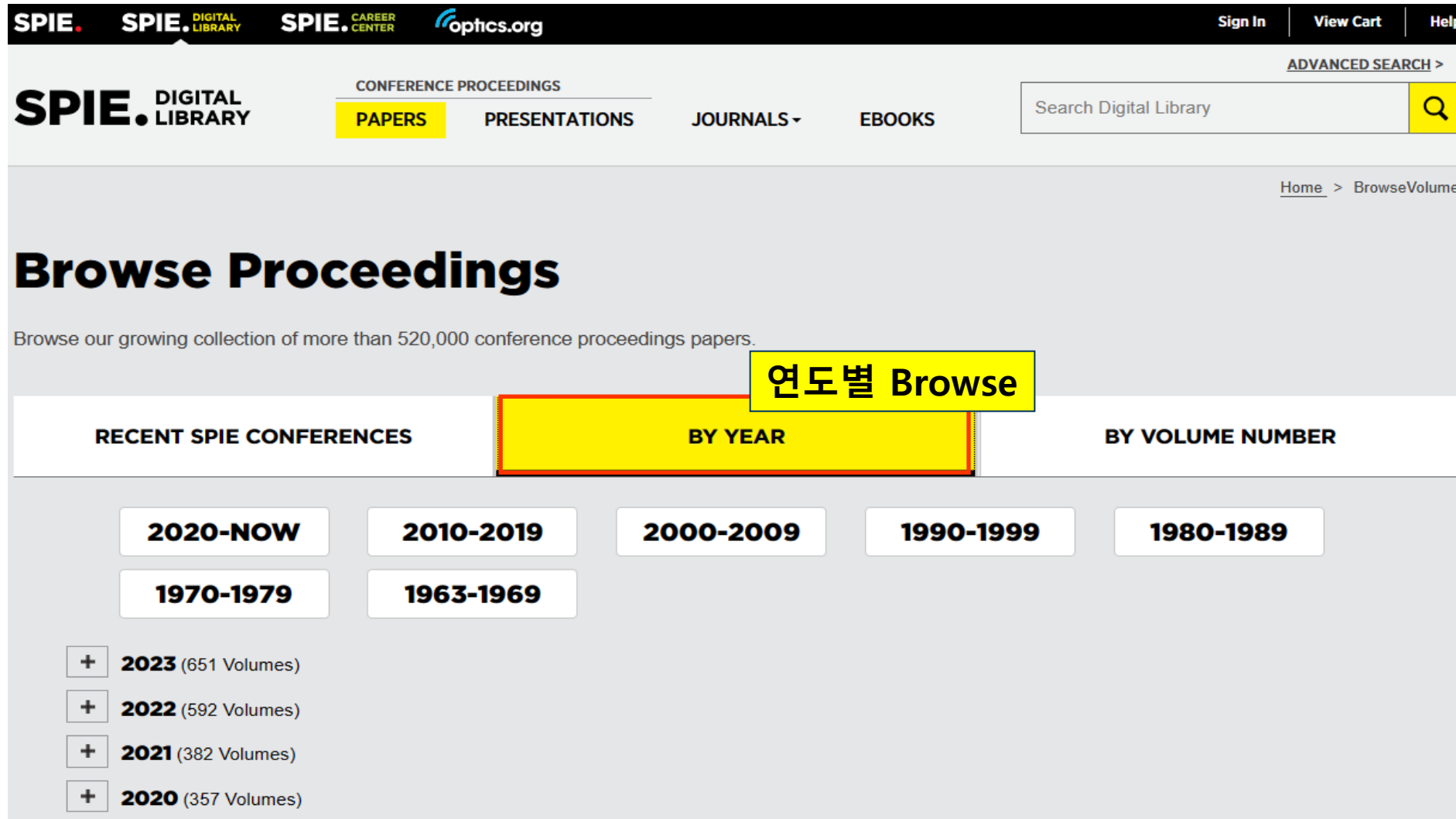
SPIE DL 메인 화면 > “Papers” > “Recent SPIE Conferences”




The screenshot shows the SPIE Digital Library website interface. At the top, there is a navigation bar with the SPIE logo, 'DIGITAL LIBRARY', 'CAREER CENTER', and 'optics.org'. On the right side of the navigation bar are links for 'Sign In', 'View Cart', and 'Help'. Below the navigation bar, there is a search bar with the text 'Search Digital Library' and a magnifying glass icon. The main content area is titled 'Browse Proceedings' and features a yellow highlighted box with the text '최신 SPIE Conference 명칭별 Browse' (Browse SPIE Conferences by Name). Below this, there are three tabs: 'RECENT SPIE CONFERENCES' (highlighted in yellow), 'BY YEAR', and 'BY VOLUME NUMBER'. The 'RECENT SPIE CONFERENCES' tab is active, displaying a grid of conference cards. Each card includes the conference name, dates, and location. The cards are arranged in two rows of five.

RECENT SPIE CONFERENCES	BY YEAR	BY VOLUME NUMBER
SPIE.PHOTONEX 24-26 October 2023 Glasgow, United Kingdom		
SPIE.OPTIFAB 16-19 October 2023 Rochester, New York, United States		
SPIE. PHOTONICS ASIA 14-16 October 2023 Beijing, China		
SPIE. PHOTOMASK TECHNOLOGY + EUV LITHOGRAPHY 1-5 October 2023 Monterey, California, United States		
SPIE. LASER DAMAGE 17-20 September 2023 Dublin/Livermore, California, United States		
SPIE. SENSORS+ IMAGING		
SPIE. OPTICS+ PHOTONICS		
SPIE. OPTICAL METROLOGY		
SPIE. DIGITAL OPTICAL TECHNOLOGIES		
EUROPEAN CONFERENCES ON BIOMEDICAL OPTICS SPIE. OSA		

SPIE DL 메인 화면 > “Papers” > “By Year”



The screenshot shows the SPIE Digital Library website interface. At the top, there is a navigation bar with logos for SPIE, SPIE Digital Library, SPIE Career Center, and optics.org. On the right side of the navigation bar, there are links for 'Sign In', 'View Cart', and 'Help'. Below the navigation bar, there is a search bar with the text 'Search Digital Library' and a magnifying glass icon. The main content area is titled 'Browse Proceedings' and includes a sub-header 'CONFERENCE PROCEEDINGS'. Below this, there are tabs for 'PAPERS', 'PRESENTATIONS', 'JOURNALS', and 'EBOOKS'. The 'PAPERS' tab is currently selected. A yellow box highlights the text '연도별 Browse' (Browse by Year) above the 'BY YEAR' tab. Below the tabs, there are several buttons for different time periods: '2020-NOW', '2010-2019', '2000-2009', '1990-1999', '1980-1989', '1970-1979', and '1963-1969'. At the bottom, there is a list of years with volume counts: '+ 2023 (651 Volumes)', '+ 2022 (592 Volumes)', '+ 2021 (382 Volumes)', and '+ 2020 (357 Volumes)'.

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

ADVANCED SEARCH > Home > BrowseVolume

Browse Proceedings

Browse our growing collection of more than 520,000 conference proceedings papers.

연도별 Browse

RECENT SPIE CONFERENCES **BY YEAR** BY VOLUME NUMBER

2020-NOW **2010-2019** **2000-2009** **1990-1999** **1980-1989**
1970-1979 **1963-1969**

- + **2023** (651 Volumes)
- + **2022** (592 Volumes)
- + **2021** (382 Volumes)
- + **2020** (357 Volumes)

SPIE DL 메인 화면 > “Papers” > “By Volume Number”

The screenshot shows the SPIE Digital Library website interface. At the top, there are navigation links for SPIE, SPIE Digital Library, SPIE Career Center, and optics.org. A search bar is located on the right. Below the navigation, the page is titled 'Browse Proceedings' with a sub-header 'CONFERENCE PROCEEDINGS'. The main content area features a grid of volume number ranges. A red box highlights the 'BY VOLUME NUMBER' tab and the grid of volume ranges. A yellow box highlights the '12000-NOW' range. Another yellow box highlights the 'Volume No.' label. A third yellow box highlights the '상세 Volume No. 선택' (Detailed Volume No. Selection) text.

Volume별 Browse

RECENT SPIE CONFERENCES | BY YEAR | **BY VOLUME NUMBER**

12000-NOW	11000-11999	10000-10999	9000-9999	8000-8999
7000-7999	6000-6999	5000-5999	4000-4999	3000-3999
2000-2999	1000-1999	1-999		

+ 12900-12999
+ 12800-12899
+ 12700-12799
+ 12600-12699
+ 12500-12599

Volume No.

상세 Volume No. 선택

SPIE DL 메인 화면 > “Presentations”

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 36,000 conference presentations, including many plenaries and keynotes.

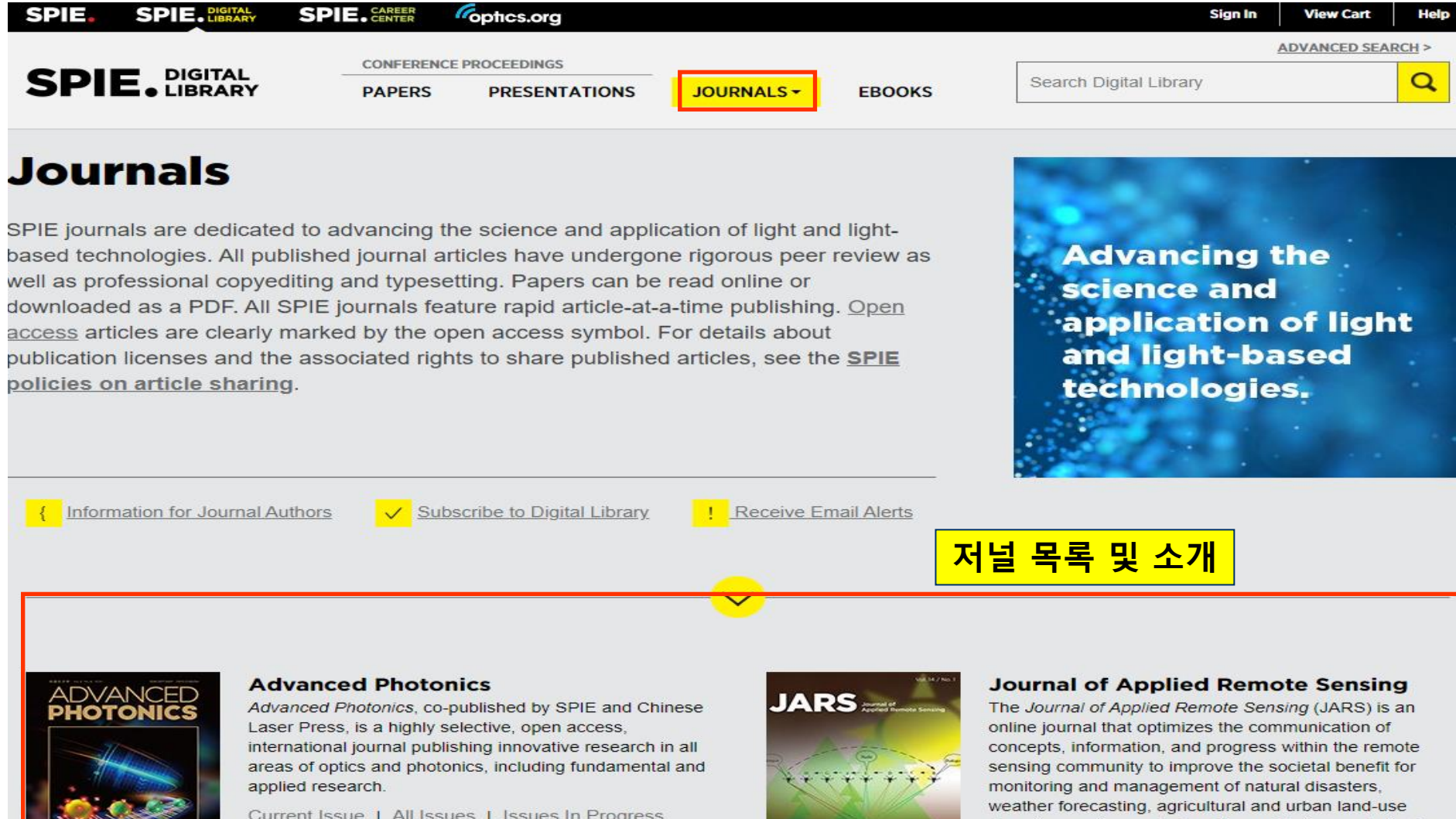
키워드, 연도, 컨퍼런스 명으로 refine

1962년 이후의 73,000건 이상의 프로시딩 자료 제공

Conference Presentations

Title	Date	Duration
From omelet lithography	21 December 2021	7:19
Progress in EUV resist	21 December 2021	26:29
Autonomously self-	15 December 2021	18:30
10 Years of development	15 December 2021	25:45

SPIE DL 메인 화면 > "Journals"



The screenshot shows the SPIE Digital Library website. At the top, there is a navigation bar with logos for SPIE, SPIE Digital Library, SPIE Career Center, and optics.org. On the right side of the navigation bar are links for Sign In, View Cart, and Help. Below the navigation bar, there is a main menu with options for CONFERENCE PROCEEDINGS, PAPERS, PRESENTATIONS, JOURNALS (highlighted with a red box), and EBOOKS. A search bar labeled "Search Digital Library" is located on the right. The main content area features a large heading "Journals" and a paragraph describing SPIE journals. To the right of the text is a blue graphic with the text "Advancing the science and application of light and light-based technologies." Below this, there are three links: "Information for Journal Authors", "Subscribe to Digital Library" (with a checkmark icon), and "Receive Email Alerts" (with an exclamation mark icon). A yellow box with the text "저널 목록 및 소개" (Journal List and Introduction) is positioned above a red-bordered box that contains two journal entries. The first entry is for "Advanced Photonics", and the second is for "Journal of Applied Remote Sensing".

SPIE. DIGITAL LIBRARY CONFERENCE PROCEEDINGS **JOURNALS** EBOOKS

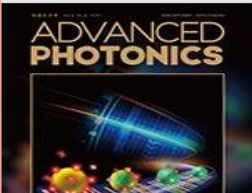
ADVANCED SEARCH > Search Digital Library

Journals


SPIE journals are dedicated to advancing the science and application of light and light-based technologies. All published journal articles have undergone rigorous peer review as well as professional copyediting and typesetting. Papers can be read online or downloaded as a PDF. All SPIE journals feature rapid article-at-a-time publishing. [Open access](#) articles are clearly marked by the open access symbol. For details about publication licenses and the associated rights to share published articles, see the [SPIE policies on article sharing](#).

[Information for Journal Authors](#) [Subscribe to Digital Library](#) [Receive Email Alerts](#)

저널 목록 및 소개



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

SPIE DL 메인 화면 > "Journals" > 저널 보기 (예: Advanced Photonics 택)

해당 저널 메인 페이지

저널 소개

Advanced Photonics

Co-Editors-in-Chief:
[Xiao-Cong \(Larry\) Yuan](#), Shenzhen University and Zhejiang Lab, China
[Anatoly Zayats](#), King's College London, United Kingdom

Copublished by SPIE and Chinese Laser Press, *Advanced Photonics* is a highly selective, Gold Open Access, international journal publishing innovative research in all areas of optics and photonics, including fundamental and applied research.

On the cover: Nonlocal Metasurfaces all-optical Modulation ("Giant photoinduced reflectivity modulation of nonlocal resonances in silicon metasurfaces" by Andrea Tognazzi et al., in *Volume 5 Issue 6*).

Want to see your paper's artwork on the *Advanced Photonics* cover? [Learn how.](#)

최신, 전체, 진행 중인 이슈

Current Issue | All Issues

주요 콘텐츠 | **상세 정보** | **편집위원회 정보** | **논문 제출** | **저자 가이드**

FEATURED CONTENT | SCOPE & DETAILS | EDITORIAL BOARD | CALL FOR PAPERS | AUTHOR GUIDELINES

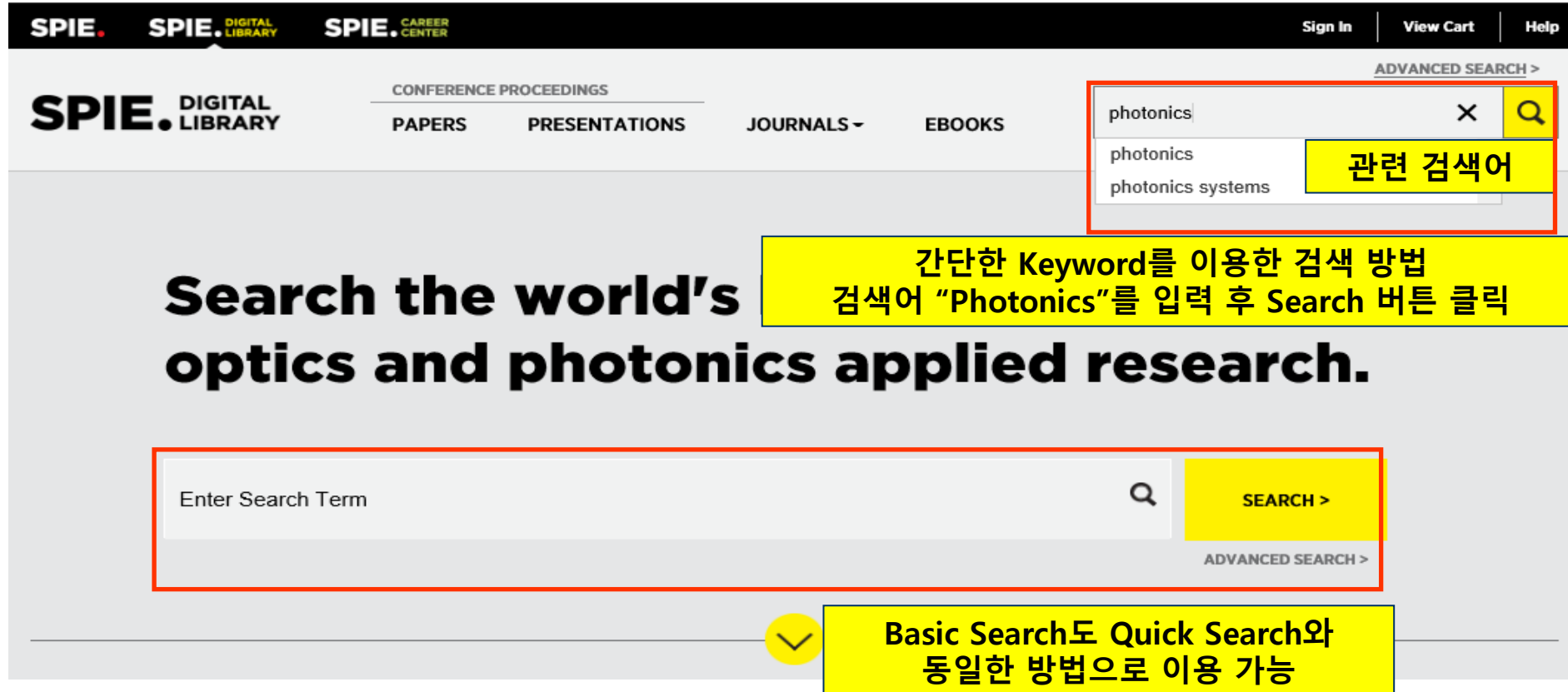
SPIE DL 메인 화면 > "Journals" > 원문 보기

The screenshot shows the SPIE Digital Library interface for a journal article. The article title is "Infrared upconversion imaging in nonlinear metasurfaces". The page includes navigation tabs for "ARTICLE", "FIGURES & TABLES", "SUPPLEMENTAL CONTENT", "REFERENCES", and "CITED BY". A "DOWNLOAD PAPER" button and a "SAVE TO MY LIBRARY" button are visible. A "GET CITATION" button is also present, which triggers a "DOWNLOAD CITATION" modal window. This modal window allows users to select the citation format (Citation Only, Citation & Abstract) and the output format (RIS, EndNote, BibTex). A "CITATIONS" section at the bottom indicates that the article has been cited by 41 scholarly publications.

Annotations:

- 다운로드 또는 내 Library 저장 기능** (Download or my Library save function): Points to the "DOWNLOAD PAPER" and "SAVE TO MY LIBRARY" buttons.
- 아티클의 요약, 삽화&도표, 추가 콘텐츠, 레퍼런스 및 인용 정보 제공** (Provide article summary, figures & tables, additional content, references, and citation information): Points to the navigation tabs.
- 인용 횟수** (Citation count): Points to the "CITATIONS" section.
- RIS, EndNote, BibTex 형식으로 Citation** (Citation in RIS, EndNote, BibTex format): Points to the citation format options in the modal window.

“Quick Search” > 예: Photonics 검색



The screenshot shows the SPIE Digital Library website. At the top, there are navigation links for SPIE, SPIE Digital Library, and SPIE Career Center. On the right, there are links for Sign In, View Cart, and Help. Below the navigation, there are tabs for CONFERENCE PROCEEDINGS, PAPERS, PRESENTATIONS, JOURNALS, and EBOOKS. A search bar is located in the top right, containing the text 'photonics'. A dropdown menu is open below the search bar, showing suggestions: 'photonics' and 'photonics systems'. A yellow callout box with the text '관련 검색어' (Related search terms) points to the dropdown menu. Below the search bar, there is a large heading: 'Search the world's optics and photonics applied research.' Below this heading, there is a search bar with the placeholder text 'Enter Search Term' and a yellow 'SEARCH >' button. A yellow callout box with the text '간단한 Keyword를 이용한 검색 방법' (Simple search method using keywords) and '검색어 "Photonics"를 입력 후 Search 버튼 클릭' (Click the Search button after entering the search term "Photonics") points to the search bar and button. At the bottom of the search bar, there is a link for 'ADVANCED SEARCH >'. A yellow callout box with the text 'Basic Search도 Quick Search와 동일한 방법으로 이용 가능' (Basic Search can also be used in the same way as Quick Search) points to the search bar area.

간단한 Keyword를 이용한 검색 방법
검색어 "Photonics"를 입력 후 Search 버튼 클릭

Basic Search도 Quick Search와
동일한 방법으로 이용 가능

“Quick Search” > 예: Photonics 결과 화면

The screenshot shows the SPIE Digital Library search results page for the keyword 'photonics'. The page features a navigation bar with 'SPIE DIGITAL LIBRARY', 'CONFERENCES', 'PAPERS', 'PRESENTATIONS', 'JOURNALS', and 'EBOOKS'. A search bar at the top right contains the text 'Search Digital Library' and a magnifying glass icon. Below the search bar, the results are displayed with a total of 174,933 results found for 'photonics'. The results are sorted by 'Relevance' and displayed 25 per page. The first result is a 'Proceedings Paper' titled 'Optical Manipulation and Structured Materials Conference' from 2019. The second result is an 'eBook Chapter' titled 'Chapter 1: Dictionary of Biomedical Optics and Biophotonics' from 2012. The third result is a 'Paper' titled 'Conference: Abstract Book' from 2023. On the left side, there is a 'REFINE BY' section with 'SEARCH WITHIN RESULTS' and 'PUBLICATION' filters. The 'PUBLICATION' filter shows options for Conference Proceedings (159,459), Paper (151,932), Presentation (20,182), Poster (3,175), Journal Article (13,192), and eBook (2,282). Below this is a 'YEAR' filter with a range from 1962 to 2024. On the right side, there are buttons for 'DOWNLOAD PAPER', 'SAVE TO MY LIBRARY', and 'DOWNLOAD PDF' for each result. Annotations in yellow boxes highlight the search results count, the 'REFINE BY' section, the 'DOWNLOAD PAPER' and 'SAVE TO MY LIBRARY' buttons, and the 'Refind 기능' (Refind function) which allows filtering by publication type, year, keywords, OA status, author, and conference name.

174,933 results found for:

결과 도출 건수 확인

Receive Search Email Alert

Sort By **Relevance** Display **25 per page** **174,933 results**

Proceedings Paper | 21 April 2019 **Optical Manipulation and Structured Materials Conference**
Proceedings Volume 11141, Optical Manipulation and Structured Materials Conference: 1114101 (2019)
<https://doi.org/10.1117/12.2535563>
[Read Abstract +](#)

eBook Chapter | 6 April 2012 **Chapter 1: Dictionary of Biomedical Optics and Biophotonics**
Valery Tuchin
Dictionary of Biomedical Optics and Biophotonics, Vol. PM217, (April 2012)
<https://doi.org/10.1117/PM217.ch1>
[Read Excerpt +](#)

Access **Conference: Abstract Book**
Sensing Conference 2022: BISC2201 (2023)

REFINE BY

SEARCH WITHIN RESULTS

PUBLICATION

- Conference Proceedings (159,459)
- Paper (151,932)
- Presentation (20,182)
- Poster (3,175)
- Journal Article (13,192) +
- eBook (2,282) +

YEAR

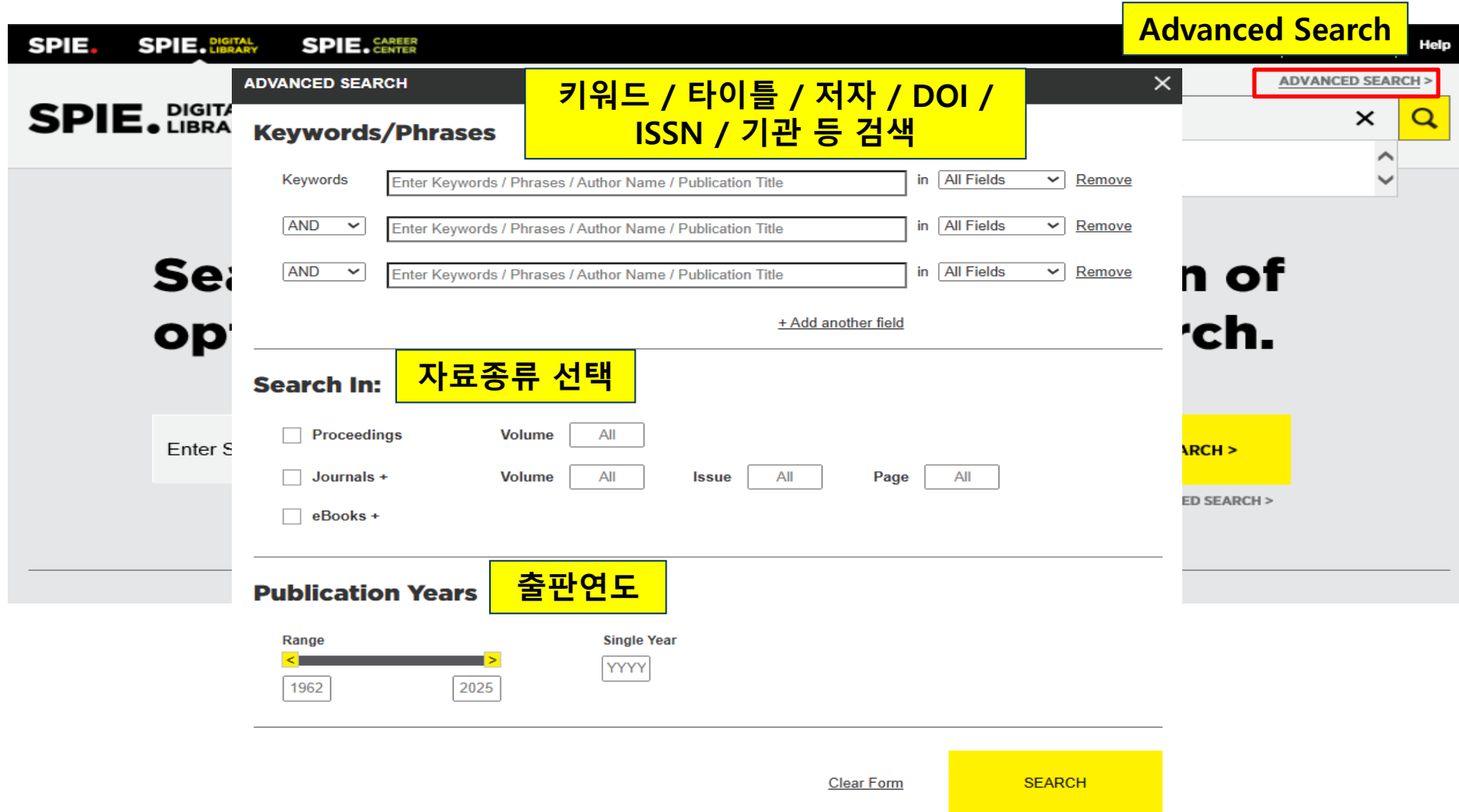
Range

< 1962 2024 >

다운로드 또는 내 Library 저장 기능

Refind 기능: Publication, 출판연도, 키워드, OA 여부, 저자, 저자 소속기관, 컨퍼런스 명으로 선택 가능

“Advanced Search”



The screenshot shows the SPIE Digital Library Advanced Search interface. The main search area is titled "ADVANCED SEARCH" and contains the following sections:

- Keywords/Phrases:** A section with three input fields for keywords, each with a dropdown menu set to "All Fields" and a "Remove" link. A yellow box highlights the text "키워드 / 타이틀 / 저자 / DOI / ISSN / 기관 등 검색" (Keyword / Title / Author / DOI / ISSN / Institution search).
- Search In:** A section with a dropdown menu set to "자료종류 선택" (Select document type). Below it are checkboxes for "Proceedings", "Journals +", and "eBooks +", each with a "Volume" dropdown set to "All". There are also "Issue" and "Page" dropdowns set to "All".
- Publication Years:** A section with a "Range" slider from 1962 to 2025 and a "Single Year" input field with a "YYYY" placeholder. A yellow box highlights the text "출판연도" (Publication year).

At the bottom of the form, there is a "Clear Form" link and a yellow "SEARCH" button. The top right of the page has a "Help" link and a "Advanced Search" button highlighted in yellow. A red box highlights the "ADVANCED SEARCH >" link in the top right corner.

**SPIE Full Text 를 과다하게 다운로드 하면
SPIE Server에서는 과다 다운로드를 한 PC가 속해있는
IP 대역을 차단합니다.**

**SPIE에서는 기관 담당자에게 위의 사실을 E- mail로 통보하며
해당 담당자는 과다 다운로드에 대한 사유와
사후조치에 관한 내용을 출판사에 전달해야 합니다.**

**SPIE 이용자 분들께서는 과도한 Full Text 다운로드를 자제해 주시고
꼭 필요한 Full Text만 다운로드 해주시기 바랍니다.**

감사합니다

신원데이터넷

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