



**KASS** 한국우주안보학회  
Korean Academy of Space Security



# THE KOREAN ACADEMY OF SPACE SECURITY

[www.kass.ne.kr](http://www.kass.ne.kr)



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# PRESIDENT'S GREETING

## INVITATION

01

When humanity first landed on the moon, Neil Armstrong said, "This is one small step for a man, one giant leap for mankind." Through such monumental steps of humanity, space has transformed from a realm only observable through telescopes and observatories into a reality intertwined with our daily lives. Thanks to technological advancements, it has become a core area of the digital economy where capital and information move, creating value and profit. However, it is also crucial to view space as a domain for security, not just for economic development and industrial promotion. In space, the economic and strategic significance leads to sharp conflicts of interest among superpowers, and competition between factions for strategic superiority is accelerating.

The Korean Academy of Space Security aims to contribute to a safe journey into space, protecting national interests and enhancing the lives of citizens. Our academy will serve as a civil-military-industry-academia-research collaboration platform for space security, developing technologies and proposing for space security, and proposing policies and strategies. Through these efforts, our academy will contribute to securing a strategic advantage for the Republic of Korea in space.

To achieve this, our academy intends to build and operate a global network of space security technology and policy experts. We plan to establish a forum for close cooperation among domestic academic societies, research institutions, and industries, leading a global academic forum on space security under Korea leadership. In this gray area of norms in space, we aim to maximize our national interests while simultaneously leading international space security technology and policies. Furthermore, our academy is committed to launching an international professional journal that matches our stature, aiming for its rapid establishment. Through this, we will nurture space security experts with an international perspective, expand the research base, and strengthen the foundation for enhancing our technological and policy capabilities in space security.

There is a saying, "Whoever rules the sea rules the world." However, today, this might as well change to "Whoever rules space rules the world." Our academy will work closely with the National Intelligence Service to ensure safety "from," "to," and "in" space, striving more than ever for the Republic of Korea's dominance in space. The steps our academy takes will be a giant leap for the space security of the Republic of Korea. We kindly ask for your continued interest and support in the field of space security from all sectors of civil, government, military, industry, academia, and research. Thank you.

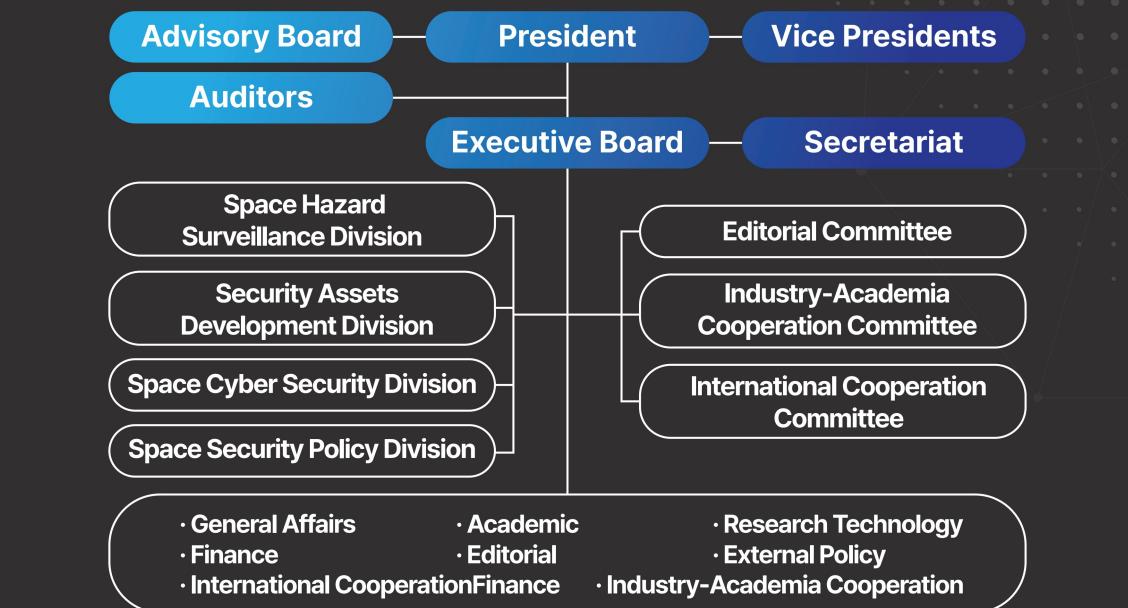


## Jae-Woo Lee, President of the KASS



# ABOUT ACADEMY

## ORGANIZATION CHART



**This association actively operates around four divisions to enhance the academic research and exchange cooperation related to space security.**

### | Space Hazard Surveillance Division

The Space Hazard Surveillance Division focuses on the rapid increase of artificial satellites and space debris, targeting space situation awareness and collision prevention for satellite traffic management, and the early detection and timely response to various space risk factors including the fall of artificial and natural space objects. Developing technologies required for these tasks and cooperation with domestic and international experts, as well as future workforce training, are the main goals.

### | Space Cyber Security Division

Recognizing the necessity and importance of space cyber security technology, the Korean Academy of Space Security established a space cyber security technology division from its inception. This division aims to promote awareness of space cyber security technology and establish a research foundation in the field through cooperation and communication among domestic and international experts in space and cyber security.

### | Security Assets Development Division

The activities of the Security Assets Development Division aim to plan and develop resources, facilities, technologies, and information used to ensure the safety and stability of national space activities. Space security assets are important not only for maintaining cooperative and stable activities in space but also for protecting space activities from competition or conflicts between nations.

### | Space Security Policy Division

The Space Security Policy Division is researching strategies, policies, and legislations related to the safety guarantee of space assets, the enhancement of security for satellite information, and the security of the Earth through space. Furthermore, it strives to propose policies for the development of new space security technologies, governance structures, legislative systems, technology development, and workforce training, and to present strategic directions.



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# KEY HISTORY AND ACTIVITIES

## Key History

03

- December 16, 2022      Proposal to establish the Korean Academy of Space Security
- January 30, 2023      Formation of the Preparatory Committee for the founding of the Korean Academy of Space Security
- May 03, 2023      Inaugural meeting and founding assembly of the Academy
- June 23, 2023      Completion of incorporation as a legal entity (under the jurisdiction of the National Intelligence Service)
- July 05, 2023      Registration of the corporation completed

## Major Activities

- July 18, 2023      **Advisory Board Meeting**
  - A meeting of the advisory board was held in accordance with Article 24 of the charter by the National Intelligence Service's National Policy Manager.
  - During the advisory board meeting, opinions related to space security and the operation of the academy were collected, and after discussing development plans, it was agreed to evolve this meeting into a policy consultation meeting.
- November 22, 2023      **1st International Symposium on Space Security**
  - Held at The Plaza Hotel Seoul on the theme of "Space Security in the New Space Era: Technology, Policy, and Cooperation."
- November 27 to December 02, 2023      **Australian Political Science Association (ASPA) Conference Panel Composition and Presentation**
  - Experts from the Academy's Space Security Policy Division formed a panel on the topic of "Space Odyssey 2030 Revealed: Competition and Security in Northeast Asia's Space Development"
  - Presentations included comparative research on space-related legislation between North and South Korea, international cooperation for the protection of space assets, and the implications of space warfare and security in the era of artificial intelligence.



- December 04, 2023      **Discussion on Cooperation with the Australian Strategic Policy Institute (ASPI)**
  - Dr. Malcolm Davis, a space security expert from the Australian Strategic Policy Institute (ASPI) and experts from the Space Security Policy Division discussed cooperation strategies via video conference



# INTERNATIONAL SYMPOSIUM ON SPACE SECURITY

**제1회 국제 우주안보 심포지엄**  
뉴 스페이스 시대의 우주안보:  
기술과 정책 그리고 협력

행사일시  
2023. 11. 22. WED.  
10 am ~ 4 pm  
등록 | 9:30 am

행사장소  
더 플라자 호텔 서울 (22층, 다이아몬드홀)  
\* 오시는 길 : 서울특별시 종로구 소공로 119 (서울시청 인)

주최 | KASS 한국우주안보학회

The 1st International Symposium on Space Security  
한국우주안보학회  
Korean Academy of Space Security

제1회 국제 우주안보 심포지엄  
뉴 스페이스 시대의 우주안보:  
기술과 정책 그리고 협력

개회사  
한국우주안보학회 회장 이재우  
Korean Academy of Space Security, President Jae-Woo Lee

The 1st International Symposium on Space Security  
Space Security in the New Space Era: Technology, Policy, and Cooperation  
2023. 11. 22. WED 10am~4pm THE PLAZA Seoul  
KASS INSTITUTE

## Opening Remarks by Jae-Woo Lee, President of the Korean Academy of Space Security

"Securing competitiveness in space is becoming a core national competency," he stated, expressing his confidence that "this symposium will contribute to sharing key national policies on space security and exploring cooperation methods with nations that share democratic values."

제1회 국제 우주안보 심포지엄  
뉴 스페이스 시대의 우주안보:  
기술과 정책 그리고 협력

Space assets indispensable in conflict zones  
Allied economic & financial (E&F) tools used for both protection and deterrence  
• Use of commercial satellite imagery in the Ukraine conflict (commercial US, high-speed internet, etc.)  
• Cyberattacks against Russian space war  
• Other space-based space techniques to prepare the battlefield and during the conflict  
• C2I (Command and Control Intelligence) coming prior to the location  
• Cyberattack against Viasat satellite network  
• Jamming of Starlink services  
• Russia designating private space assets as legitimate targets in war

Current Conflicts  
Ukraine Conflict (Russia vs. Ukraine)  
Cyberattack on Viasat satellite network  
Russia jamming Starlink services  
Russia designating private space assets as legitimate targets in war

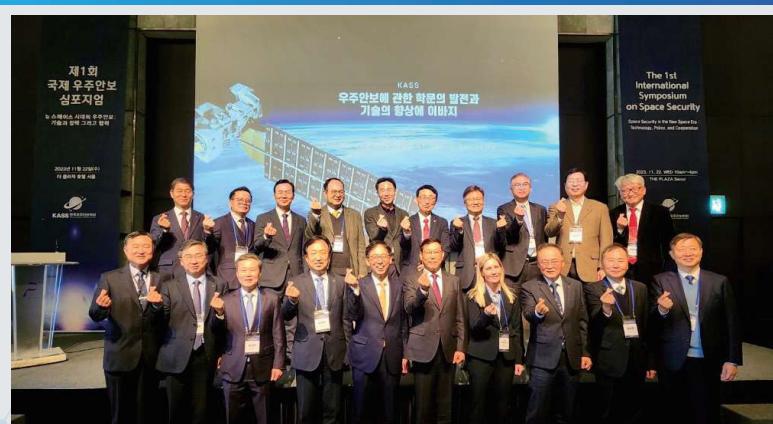
세션 3 / Session 3 패널토론  
우주안보기술과 한국우주안보학회의 역할  
Space Security Technology and Role of KASS

## Keynote Lecture: Partnerships in the New Global Space Race Era

Jana Robinson, Prague Security Studies Institute

## Panel Discussion: Space Security Technology and the Role of the Korean Academy of Space Security

Panelists | Jong-Bin Lim (Korea Aerospace Research Institute), Seong-Hoon Lee (Institute for National Security Strategy), Chun-Sik Park (Ajou University), Jang-Hyun Park (Korea Astronomy and Space Science Institute)

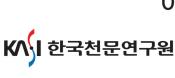
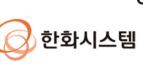
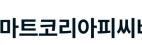


## The International Symposium on Space Security is

based on international cooperation, not only in solidarity with space security-related societies in the United States, Japan, Australia, Czech Republic, etc., but also in promoting the hosting of international security academic conferences by touring these countries.



# INTRODUCTION OF CORPORATE MEMBERS

|   |   |   |  |   |
|---|---|---|--|---|
| 01<br>   | 02<br>   | 03<br>   | 04<br>   | 05<br>   |
| 06<br>   | 07<br>   | 08<br>   | 09<br>   | 10<br>   |
| 11<br>   | 12<br>   | 13<br>   | 14<br>   | 15<br>   |
| 16<br>  | 17<br>  | 18<br>  | 19<br>  | 20<br>  |
| 21<br> | 22<br> | 23<br> | 24<br> | 25<br> |
| 26<br> | 27<br> | 28<br> | 29<br> | 30<br> |
| 31<br> |   |   |  |   |

- 01. KOREA AEROSPACE RESEARCH INSTITUTE / 02. NSR / 03. KASI
- 04. AGENCY FOR DEFENSE DEVELOPMENT / 05. KAIST / 06. ETRI / 07. INSS
- 08. HANWHA AEROSPACE / 09. HANWHA SYSTEM / 10. KAI / 11. LIG NEX1 / 12. KT SAT
- 13. KOREAN AIR / 14. SATRECI / 15. DOOWON HEAVY INDUSTRIAL
- 16. ASIA PACIFIC SATELLITE INC. / 17. WAVE ELECTRONICS / 18. DIGITRON / 19. LOGRUS IT
- 20. SECURITY PLATFORM / 21. U-TEL / 22. RFHIC / 23. PIXONEER / 24. NETCUS
- 25. KDT / 26. SOLETOP / 27. ICE / 28. I3SYSTEM / 29. HANCOM SPACE
- 30. SMART KOREA PCB / 31. CHANG WOO INC.



# MEMBERSHIP REGISTRATION GUIDE

|   | <b>Corporate Members</b>  | <b>Individual Members</b>   |                          |  |
|---|---|---|--------------------------|--|
| Eligibility   | <p>Domestic and international research institutions, public organizations, public and private corporations, and equivalent entities that agree with the founding purpose of the corporation and cooperate in business execution.</p>  | <b>Regular</b>  | <b>Annual Members</b>    | <ul style="list-style-type: none"> <li>Those who have obtained a doctoral degree in space or security-related fields or those with a master's degree and over three years of experience in related fields. Individuals working in space or security-related tasks in government agencies or the army, navy, air force, and cyber military, or those with such experience. Those who have worked in space or security-related fields for more than five years.</li> </ul> |
|   |   |   | <b>Lifetime Members</b>  | <ul style="list-style-type: none"> <li>Regular members who have paid the equivalent of ten years of annual fees.</li> </ul>  |
|   |   |   | <b>Associate Members</b> | <ul style="list-style-type: none"> <li>Undergraduate students, graduates, or postgraduate students majoring in space or security-related fields.</li> </ul>  |
| Membership Fees   | <b>Small and medium enterprises/institutions</b> More than 500,000 KRW<br><b>Medium and large enterprises/institutions</b> More than 1,000,000 KRW  | <b>Regular Members (Annual/Lifetime)</b> : 10,000 KRW<br><b>Associate Members</b> : None  |                          |  |
| Annual Fees   | <b>Small enterprises/institutions</b> More than 1,000,000 KRW<br><b>Medium enterprises/institutions</b> More than 3,000,000 KRW<br><b>Large enterprises/institutions</b> More than 5,000,000 KRW  | <b>Regular Members (Annual/Lifetime)</b> : 50,000 KRW / 500,000 KRW<br><b>Associate Members</b> : None  |                          |  |
| Member Benefits   | <ul style="list-style-type: none"> <li>Participation in discussions at the general assembly.</li> <li>Participation in the corporation's activities such as academic research presentations.</li> <li>Publication of papers in the corporation's journal and publications.</li> </ul> <p>* Only members may submit papers.<br/>           * Discounts on registration fees for academic conferences organized by the society.<br/>           * Information about various events held by research divisions and committees will be provided.</p> <ul style="list-style-type: none"> <li>This is applied differently according to the member company's grade, and only to representatives and some employees of member companies that have paid the annual fee for the current year.</li> </ul> | <ul style="list-style-type: none"> <li>Participation in discussions at the general assembly.</li> <li>Participation in the corporation's activities such as academic research presentations.</li> <li>Publication of papers in the corporation's journal and publications.</li> </ul> <p>* Only members may submit papers.<br/>           * Discounts on registration fees for academic conferences organized by the society.<br/>           * Information about various events held by research divisions and committees will be provided.</p> <ul style="list-style-type: none"> <li>Participation in discussions at the general assembly.</li> <li>Participation in the corporation's activities such as academic research presentations.</li> <li>Publication of papers in the corporation's journal and publications.</li> </ul> |                          |  |
| <p>To join, please submit an application form to <a href="mailto:kass@kass.ne.kr">kass@kass.ne.kr</a>.<br/>           Visit the society's homepage &gt; Membership registration<br/>           &gt; Download the application form, or directly download it via the QR code.</p> |   |   |                          |  |
|   |   | Corporate Membership Application Form QR Code   |                          |  |
|   |   | Individual Membership Application Form QR Code  |                          |  |

# NEW ISSUES

## JOSS, Journal of Space Security



### Guidelines for Online Paper Submission to the Journal of Space Security (JOSS)

After registering as a member on the Korean Academy of Space Security website, click on the "Submit Paper" menu. (Note: Membership registration on the website is a separate and required process.) We await your paper submissions to enhance the impact factor of the Journal of Space Security (JOSS).



Secretariat  
of the Society

E. [www.kass.ne.kr](http://www.kass.ne.kr) T. 82-2-2039-1670

Instopia Building, 909, Eonju-ro, Gangnam-gu, Seoul,  
Republic of Korea