

# Institute of Defense Acquisition Program

## Keywords

defense program, acquisition, requirement, operational maintenance, export of defense products, future war(s)

## Chief



**Jeong, Suk-jae**  
Assistant Professor /  
Dept. of Business  
Administration

sjjeong@kw.ac.kr

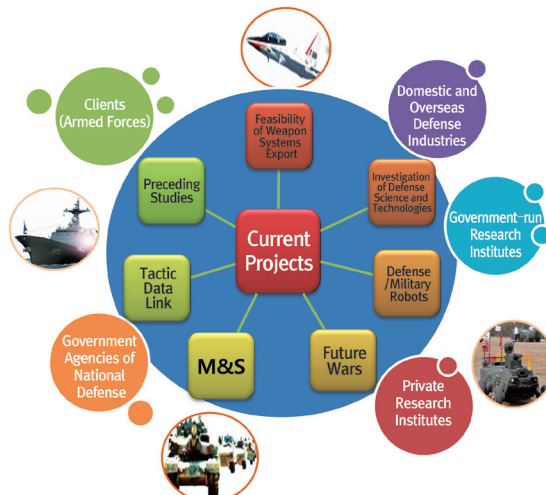
## Members

Position	Division	Name	Specialties	e-mail
Chief of the Center of Defense Acquisition Program	Department of Northeastern Asian Commerce	Shim, Sang-ryeol	Export of Defense Products	srschim@kw.ac.kr
Assistant Professor	Department of Business Administration	Lee, Seok-joon	Export of Defense Products, Military Data Analysis	sjlee@kw.ac.kr
Professor		Cho, Jae-hee	Big Data	mis1@kw.ac.kr
Chief of the Center of Defense Science & Technology	Faculty of Robotics	Kim, Jin-oh	Defense Robotics, Unmanned Force	jokim@kw.ac.kr
Associate Professor		Jeong, Moon-ho	Military Robotics	mhjeong@kw.ac.kr
Associate Professor		Park, Gwang-hyeon	Military Robotics	akaii@kw.ac.kr
Invited Professor	Department of Defense Projects	Park, Jong-jae	M&S	cjpark20@kw.ac.kr
Guest Professor		Lee, Yong-dae	Weapon System Requirements	ydl6435@kw.ac.kr

## Current Projects

The courses of the 'Department of Defense Projects' was opened in the graduate school in 2009 with a vision to become a best research institute in the field of defense projects together with the foundation of the 'Industry-Academia Research Institute' comprising intramural faculties and external experts of defense projects. The research institute consists of the Center of Defense Industry and Center of National Defense Science and Technology, the centers are in close cooperation for providing consulting services and researches of defense science, defense technologies, defense policies, and weapon systems export.

The Center of Defense Industry currently examines the feasibility of the export of domestically developed weapon systems and provides consulting services on the export of military supplies and overseas bidding systems thereof. The Center of National Defense Science and Technology studies the systems and infrastructures for policies to be established and implemented for the future of defense technologies to be embodied in defense robots for future wars. The efforts of the research institute will be focused on studies of national defense policies for the institute to become a 'Think Tank' of defense projects. The institute will cooperate with entities in diverse disciplines to contribute to the development of defense industry.





## Overview of Developed Technology

**Definition of Technology (Title of Technology)** A Case Study on Current Operation of Unmanned Forces in Israel, Japan, and the United States

Researcher in Charge	Kim, Jin-oh et al.	Division	Center of Defense Science & Technology
Current Stage of Development	Completed		
Principles of the Technology	<p>■ The study on current states of the operation of unmanned vehicles or vessels and drones (UAVs) in advanced countries.</p> <p>(A Comparison of Technology for Ground Unmanned Forces in Advanced Countries (USA, EU, Japan))</p>		
Applications	Provision of consulting services or conducting collaborative researches of technologies for the realization of unmanned forces and its operation		
Keywords	defense robots, unmanned forces, drones / unmanned aerial vehicles, unmanned naval vessels, unmanned vehicles		

**Definition of Technology (Title of Technology)** Development of Measurement Indicators to assess the feasibility of the Export of Weapon System and the Establishment of corresponding Export Strategies

Researcher in Charge	Jeong, Suk-jae	Division	Center of Defense Acquisition Program
Current Stage of Development	Completed		
Principles of the Technology	<p>■ The researches for the development of quantitative indicators representing the feasibility of the export of weapon systems and for the establishment of corresponding export strategies.</p> <ul style="list-style-type: none"> <li>- Preparation of evaluative indicators of buying powers of respective countries and establishment of the database of competitive weapons in respective weapon systems of each country</li> <li>- Selection of prospective countries and establishment of medium- and long term strategies for exporting weapon systems</li> </ul>		
Applications	Measurement of the Feasibility of the Export of Weapon Systems at the Stage of Requiring and Acquisition; Establishment of the Strategy of Defense Programs to gauge the Exportability of such programs		
Keywords	export of defense products, exportability, export of weapon systems, export strategy of weapon systems		

### Current Projects

- An Analytical Study on the Feasibility of Weapon Systems Export, 2016, Defense Agency for Technology and Quality
- A Study on the Improvement of Prediction and Investigation of the Level of Defense Science and Technologies, 2016, Defense Agency for Technology and Quality
- A Study on the Amendment of Acts/Systems and Certification for the Operations of Defense Robots, 2016, Defense Acquisition Program Administration
- A Study on Bidding Systems for National Defense and Marketing Strategies for Prospective Countries of Importing Defense Products, 2016, Defense Agency for Technology and Quality
- A Study on Development of Infrastructure Systems for the Strengthening of M&S based Acquisition. 2015, Defense Acquisition Program Administration
- The Analysis on the Exportability of Weapon Systems, 2015, Defense Agency for Technology and Quality
- The Integrated Analysis of Data Link System of the Korean Tri-Services Tactical Communication System, 2015, Defense Acquisition Program Administration
- The Case Study on Current Status of the Operation of Unmanned Forces in the United States, 2014, Research Institute on National Security Affairs (RINSA), National Defense University
- The Case Study on Current Status of the Operation of Unmanned Forces in Israel, 2014, Research Institute on National Security Affairs (RINSA), National Defense University

### Publications

- A Study on Business Process to Acquire SCAMPI Based War Vessels, 2016, Korean Association of Maritime Police Science
- A Study on Effects of Defense Acquisition Expertise on Project Performance, 2015, Journal of The Korean Institute of Plant Engineering
- A Study on the Improvement of Organization System and Acquisition Control Process therein that Influences the Acquisition Performance of Military Potential Support System, 2015, Journal of Korea Association of Defense Industry Studies
- A Study on the Improvement of Support System of Military Forces via the Application of the Concept of Total Life Cycle System Management (TLCSM), 2014, Korea Association of Military Studies