

T.C.  
İSTANBUL AYDIN UNIVERSITY



DEFENSE INDUSTRY  
TECHNOLOGIES  
APPLICATION and RESEARCH  
CENTER

TAG:

T.C. İSTANBUL AYDIN UNIVERSITY

**Doç. Dr. Mustafa AYDIN**

İstanbul Aydın University Chairman of the  
Board of Trustees

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İstanbul Aydın University Research Centers Coordinator

**Asst. Prof. Dilşad AKGÜMÜŞ GÖK**

İAÜ SSTUAM Director

**Inst. Serkan GÖK**

İAÜ SSTUAM Deputy Director

January 2021  
No 1



E-NEWSLETTER

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Newsletter Design and Edited  
by  
Inst. Serkan GÖK



## DEFENSE INDUSTRY TECHNOLOGIES APPLICATION and RESEARCH CENTER

The purpose of the Defense Industry Technologies Application and Research Center (SSTUAM), established within the body of Istanbul Aydın University, is to conduct research on defense technologies, to perform analysis, to carry out modeling, design, simulation and manufacturing studies, to monitor and evaluate defense technologies, to make technology predictions regarding defense technologies, to contribute for the development of defense technologies and industry by developing basic and technological infrastructure technologies, making engineering applications for needed systems and subsystems. At the same time, we aim to contribute to the infrastructure of our students who will graduate in the project-oriented studies carried out within our center.

## Message of Director

The importance of the defense industry is increasing day by day in Turkey as well as in the rest of the world. Defense industry; It is an industrial sector that is not separated from the general industry, can produce and maintain the vehicles, equipment and weapons, ammunition required in the field of national defense and has a connection with manufacturing technologies. The defense industry is not only a commercial factor; at the same time, it is an industrial organization that considers and evaluates many issues such as reliability, strategic, confidentiality, low dependency and technological competence. The defense industry is an important field where the most advanced technology systems are used and constantly needs new technologies. It is a fact that the technologies developed in this field are used for civilian purposes later on, thus contributing to the socio-economic development of countries. Therefore, while the defense expenditures, which are inevitable for Turkey, continue, our aim is; Our aim is to make our country a product and technology producer in the field of defense industry in order to increase our country's national technology capability and to achieve economic and social gains.

Asst. Prof. Dilşad AKGÜMÜŞ GÖK  
SSTUAM Director



**Asst. Prof. Dilşad AKGÜMÜŞ GÖK** was appointed as the Director of Defense Industry Technologies Application and Research Center at İstanbul Aydın University on 01.12.2020.



**Inst. Serkan GÖK** was appointed as the Deputy Director of Defense Industry Technologies Application and Research Center at İstanbul Aydın University on 22.12.2020.



**Inst. Serkan KILIÇTEK** was appointed as a Project Specialist at İstanbul Aydın University, Defense Industry Technologies Application and Research Center on 22.12.2020.



İstanbul Aydın University, Defense Industry Technologies Application and Research Center has restructured the Board of Directors and Advisory Board as of 18.12.2020.

## SSTUAM Board of Directors

- Prof. Dr. Hasan SAYGIN
- Prof. Dr. Mehmet Emin TACER
- Prof. Dr. Mustafa Nazmi ERCAN
- Asst. Prof. Vedat ÖZTÜRK
- Asst. Prof. Dilşad AKGÜMÜŞ GÖK

## SSTUAM Board of Advisory

- Prof. Dr. Rasim İPEK
- Prof. Dr. Ersin ARSLAN
- Prof. Dr. Arzu MARMARALI



## EVENTS

**İSTANBUL AYDIN ÜNİVERSİTESİ**  
İSTANBUL AYDIN ÜNİVERSİTESİ  
SAVUNMA SANAYİ TEKNOLOJİLERİ  
UYGULAMA VE ARAŞTIRMA MERKEZİ

**EKLEMELİ İMALATIN  
SAVUNMA SANAYİSİNDEKİ YERİ**

**KONUŞMACI**  
**Muhsin ARABACI**  
Novimod Hızlı İmalat Teknolojileri  
Kurucusu Ortağı

**MODERATÖRLER**

**Dr. Öğr. Üyesi  
Dilşad AKGÜMÜŞ GÖK**  
IAU Mühendislik Fak. Makine Mühendisliği Bölümü

**Öğr. Gör  
Serkan GÖK**  
IAU SSTUAM Müdür Yardımcısı  
IAU ABMYO Makine Programı

**CANLI WEB YAYINI**  
Meeting ID: 916 5318 7781  
Passcode: 4441428

14. 01. 2021 19.00

zoom

On Thursday, 14.01.2021 at 19:00, the webinar titled "**The Place of Additive Manufacturing in the Defense Industry**" was held with Novimod Rapid Manufacturing Technologies Co-Founder Mr. Muhsin ARABACI under the moderation of İstanbul Aydın University Defense Industry Technologies Application and Research Center Director Asst. Prof. Dilşad AKGÜMÜŞ GÖK and Deputy Director and Lect. Serkan GÖK.

In the webinar, information was given about the National energy weapon Wattozz, which was chosen as the best non-lethal weapon in the world.

The webinar, which was held in the form of information about the place, importance and future impact of additive manufacturing in the defense industry, was also uploaded to the SSTUAM youtube page for those who could not watch it live.



## EVENTS

**İSTANBUL AYDIN ÜNİVERSİTESİ**  
İSTANBUL AYDIN ÜNİVERSİTESİ SAVUNMA SANAYİ TEKNOLOJİLERİ UYGULAMA VE ARAŞTIRMA MERKEZİ

### SİMÜLASYON MODELLEMENİN SAVUNMA SANAYİNDE ÖNEMİ

**KONUŞMACI**  
**Dr. Orkun ZORBA**  
CEY DEFENSE Genel Müdürü

**MODERATÖRLER**

**Dr. Öğr. Üyesi**  
**Dilşad AKGÜMÜŞ GÖK**  
IAU SSTUAM Müdürü

**Öğr. Gör.**  
**Serkan GÖK**  
SSSTUAM Müdür Yardımcısı

**22. 01. 2021** **12.30**

**zoom** **CANLI WEB YAYINI**  
Meeting ID: 943 7921 1402  
Passcode: 4441428

Zoom Meeting: **Simülasyon Modelleme Savunma Sanayinde Önemi**

Participants (41)

**İÇERİK**

Hakkımızda	Tanımlar	Tarihçe	Uygulama
Avantajlar	Askeri Kullanım	Sınıflandırma	Simülasyon Geliştirme
Etkinlikler	Dünya Simülasyon Pazarı	Türkiye Simülasyon Pazarı	Soru-Cevap

22.01.2021 Simülasyon Modelleme Savunma Sanayinde Önemi, Dr. Orkun Zorba Sayfa | 2

Zoom Meeting: **Simülasyon Modelleme Savunma Sanayinde Önemi**

Participants (40)

**UYGULAMA | Body of Knowledge**

**1.1 Generation of products and services to solve problems (University)**

**2.1 MMS (Body of Knowledge) Engineering & Technology**

**2.2 Science, Engineering & Technology**

**2.3 Systems Engineering (Project) Management**

**2.4 Applications (Industry)**

**2.5 Code of professional ethics**

**3.1 Professional and ethical conduct (Both voluntary and required)**

**3.2 Certification of Individuals in MMS professionals - Companies for their maturity levels**

**3.3 Funding (Governmental agencies, subsector groups, users)**

**1.2 Generation & dissemination of (Academic) (R&D)**

**Preliminary**

**Introduction**

**Terminology**

**Comprehensive View**

\* A Basis for a Modeling and Simulation Body of Knowledge Index: Professionalism, Stakeholders, Big Picture, Tuncer Ören, University of Ottawa, 2014

22.01.2021 Simülasyon Modelleme Savunma Sanayinde Önemi, Dr. Orkun Zorba Sayfa | 11

On Friday, 22.01.2021 at 12:30, the webinar titled "Importance of Simulation Modeling in Defense Industry " was held with CEY DEFENCE General Manager Mr. Orkun ZORBA under the moderation of İstanbul Aydın University Defense Industry Technologies Application and Research Center Director Asst. Prof. Dilşad AKGÜMÜŞ GÖK and Deputy Director and Lect. Serkan GÖK.

In the webinar, subjects such as the effects, uses and areas of use of military simulation and modeling were discussed.

The webinar, which was held with an emphasis on the fact that the simulations modeled especially for the defense industry are shorter than the real-life exercises in the sense of defense, their cost is low, and that they increase the efficiency of military personnel training, has also been uploaded to the SSTUAM youtube page for those who cannot watch it live.

# E - NEWSLETTER

T.C. İSTANBUL AYDIN UNIVERSITY  
DEFENSE INDUSTRY TECHNOLOGIES APPLICATION  
and RESEARCH CENTER

No 1 / January / 2021



## EVENTS



The logo design for our center was designed by İstanbul Aydın University Defense Industry Technologies Application and Research Center deputy director Lect. Serkan GÖK, and it started to be used on all platforms with the approval of director of the center Asst. Prof. Dilşad AKGÜMÜŞ GÖK.



Social media accounts were opened and actively used on İstanbul Aydın University, Defense Industry Technologies Application and Research Center.



## TEAM

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İAÜ / ABMYO / Head of Machinery and Metal  
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