

T.C.
İSTANBUL AYDIN UNIVERSITY



DEFENSE INDUSTRY
TECHNOLOGIES
APPLICATION and RESEARCH
CENTER

TAG:

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İAÜ SSTUAM Deputy Director



**July 2021
No 3**



E-NEWSLETTER

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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

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Res. Asst. Hüseyin KURT was appointed as the Research Assistant of Defense Industry Technologies Application and Research Center at İstanbul Aydın University on 31.05.2020.



EVENTS

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

**SAVUNMA SANAYİSİNDE
ELEKTRONİK KOMPONENTLER İÇİN
ANALİZ UYGULAMALARI**

KONUŞMACILAR

Evren Yılmaz YAKIN
CFD Uygulama Mühendisi

Çağrı BOSTANCI
FEA Satış Müdürü

MODERATÖRLER

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

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

CANLI WEB YAYINI
Meeting ID: 963 1431 3603
Passcode: 4441428

07.04.2021 14.00 - 16.00

zoom

On Wednesday, 07.04.2021 at 14:00, the webinar titled “Analysis Applications for Electronic Components in the Defense Industry” was held with 50 participants, SimOfis Mühendislik Sales Manager Mr. Çağrı BOSTANCI and SimOfis Engineering CFD Application Engineer Evren Yılmaz AKIN. The webinar was moderated by Istanbul 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, the effects and critical importance of electronic cooling systems on the armed systems used in the defense industry were mentioned.

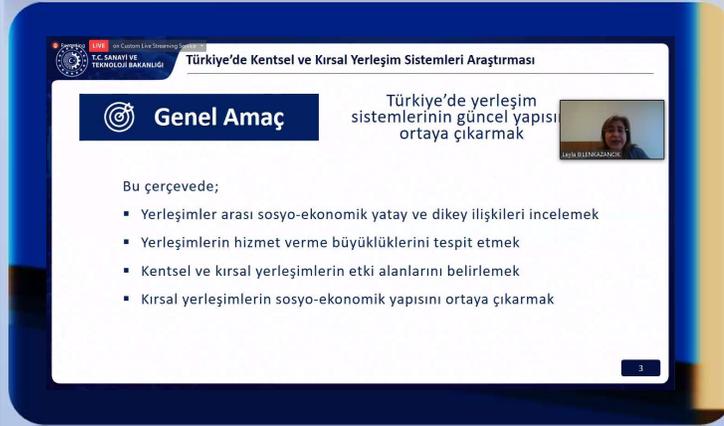
In our webinar, how the design stages of electronic cooling systems used in the defense industry and in many fields are designed and how the analyzes are made during this process are explained with a demo. Due to the confidentiality agreement, no further information can be given.



EVENTS



Defense Industry Technologies Application and Research Center Project Specialist Inst. Serkan KILIÇTEK participated in the "Research of Urban and Rural Settlement Systems in Turkey" seminar held by the Ministry of Industry and Technology on 24.05.2021.



General situation assessment meetings were held with the center managers at the Defense Industry Technologies Application and Research Center.



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The "NOVA UAV" team, which was formed by our students in the "Combat UAV Competition" category within the scope of TEKNOFEST 2021 Technology competition and supervised by Asst. Prof. Dilşad AKGÜMÜŞ GÖK, Director of Defense Industry Technologies Application and Research Center, continues to work for the delivery of KTR.

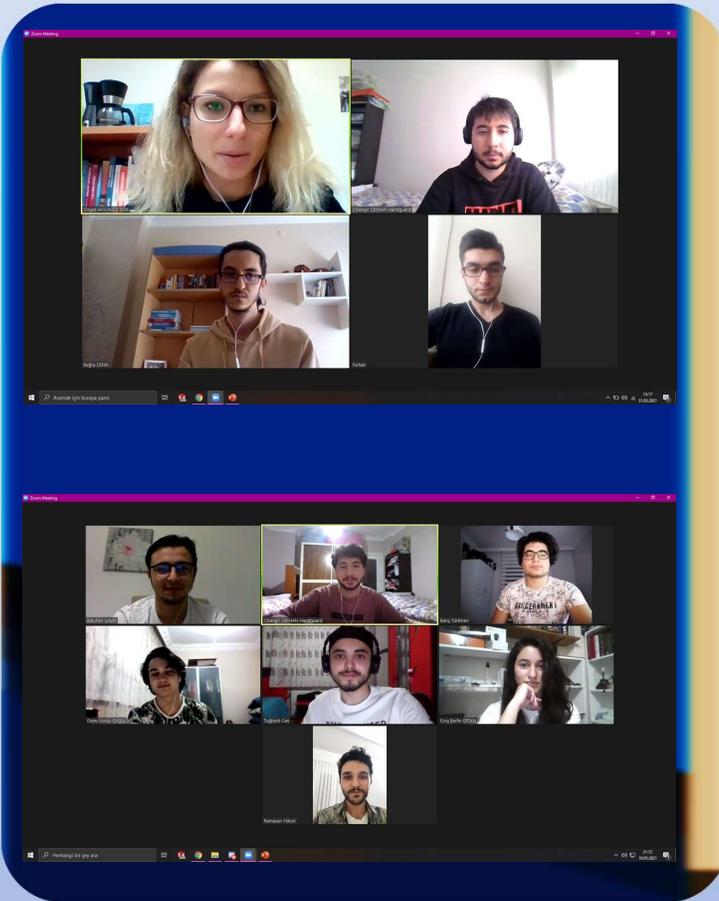
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Within the scope of the TEKNOFEST 2021 Technology Competition within the Defense Industry Technologies Application and Research Center, information meetings were held with the students of the "NOVA UAV" team, which was formed by our students in the "Combat UAV Competition" category, with the students of the center YUM.

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Project work packages were created by discussing the details of the TÜBİTAK Project, which will be applied in cooperation with Ege University and Novimod Rapid Manufacturing Technologies.

International publication and project studies have been accelerated within our center. In this context, our team has started publication studies by determining publication/project ideas depending on their areas of expertise.

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