# HÜSEYİN TÜRKMEN

## PROFESSIONAL PROFILE

As being a highly driven person graduated from METU METE with great academic background, searching a career in analysis and simulation to both develop myself and my company's institutionalism. In addition to that I aim to take place in a computational mechanics field and represent my country well.

## EDUCATION

**MIDDLE EAST TECHNICAL UNIVERSITY**
*MSc - Civil Engineering – Computational Mechanics*
*Advisor: Assoc. Prof. Serdar Göktepe*
*Thesis Title: Phase-Field Modeling of Rupture in Fiber-Reinforced Rubberlike Materials*
(2023-On Going)
*BSc - Metallurgy and Material Engineering*
3.03 CGPA
(2017-2023)

## EXPERIENCE

***Epsilon Composite Production Internship (1 Month) – 2021***
Observation and application of the composite technologies for both Turkish defence industries and foreign companies. The design of these project was done via AutoCAD and Catia. In addition to these the production field was observed during all stages (Lay-up, Ply-cut, Assembly, CNC are the main fields).

***Undergraduate Student Researcher (METU / 5 Month)***
Modelling of ballistic fiber composites are investigating and modelling via using LS-Dyna and DIGIMAT. This research is held at the ICME Lab. at Metallurgical and Material Engineering Department at METU under the supervision of Assoc. Prof. Caner Şimşir.

***Nurol Technology-Analysis and Simulation Engineer-Part Time (08.2022 – 06.2023)***
In the perspective of the SEN OL! internship program, my department is Analysis and Simulation. During this period ballistic impact simulations, material characterization and process simulations were done via LS-Dyna. Ballistic solutions and improvement in the process stages are done by the help of analysis and simulation. All along the internship period several ammunitions, composites and ceramics were simulated.

## PERSONAL INFORMARTION:

Date of Birth: 06/02/1999

Nationality: Republic of Turkey

Martial Status: Bachelor

Driving License: B

Location: Ankara/TURKEY

GSM: +90 (531) 843 08 18

e-MAIL:
hhturkmen03.1881@gmail.com

## LANGUAGE AND SKILLS:

Leading the Team
Having Impact on the People
Managing Crisis Well
Group Work

**Language Skills;**
English : Advanced
German : Beginner

**Computer Skills;**
Word
Excel
Powerpoint
Simens NX
MATLAB
ANSYS
MSC Marc
LS-Dyna
PANDAT
DIGIMAT

**ORCID ID:** 0009-0004-5685-7940

***Nurol Technology-Advanced Material R&D Engineer-Full Time (08.2023-12.2023)***

Process optimization of the ceramics by using finite element analysis via LS-Dyna. In addition to those thermodynamical calculations of the processes are conducted. Process excellence with computational mechanics.

***Nurol Technology-Analysis and Simulation Engineer -Full Time (01.2024-Ongoing)***

In my current role, I engage in ballistic impact simulations, material characterization, and process simulations using LS-Dyna. Analysis and simulation tools are integral to developing and refining ballistic solutions and optimizing different stages of the process. I actively participate in simulating various ammunitions, composites, and ceramics to gain insights into their behavior and performance.

## PUBLICATIONS

A Numerical Investigation on the Balistic Performance of the Ceramic Composite Armours Against EFP Threats.
**At 14th LS-DYNA European Conference Baden-Baden**

## VOLUNTARY WORK

**ODTÜLÜ FENERBAHÇELİLER (ODTÜFEB);**
Financial Affairs and Organization Board Member and Chairman of the Board  (2018-2022)
**METU PRODUCTIVITY CLUB;**
**METU MATERIALS SCIENCE SOCIETY;**

## HOBBIES AND SUCCESS

Soccer
Basketball
Formula 1
Rubic's Cube (2016 ATATURK CUBE DAY; SKEWB former National Record holder.)
Reading Turkish Republic related history books