

MEHMET ERHAN ALPMAN

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Technical Skills

- Electro Optic System Design
- Optic Design
- System Architecture Design
- Analog Circuit Design
- Low Noise Circuit Design
- EMI / EMC Structural Design
- Control Systems Design
- RF Design
- Digital Circuit Design
- VHDL Design
- Board Layout Design
- Image Quality Analysis
- Image DRI (Detection, Recognition, Identification) Analysis

International Papers

- “Field of View selection for optimal Airborne Imaging Sensor performance “, Proc. SPIE Vol. 9071 907103-1 /doi: 10.1117/12.2049911
- “Simple Optimization Method for EMI Mesh Pattern Design”, Proc. SPIE Vol. 9453 94530L-1 /doi: 10.1117/12.2176820

Education

1993-1998 Hacettepe University / Electrical and Electronic Engineering

1992-1993 Bursa High Scholl

1990-1992 Adana High Scholl of Science

Relevant work experience

Senior Lead Design Engineer / **aselsan**

June 2012 – Current

Electro Optic System Design Engineer and **Lead System Design Engineer** at CATS (Common Aperture Targeting System) Project. Designed main system architecture and electro optical system architecture of CATS Project. Modeled and derived all optical,

mechanical, hardware subsystem technical specifications in accordance with the system performance requirements.

August 2007 – June 2012

Hardware Design Team Leader at UMTAS Seeker Head Project. Designed hardware architecture of UMTAS Seeker Head Project and designed whole analog circuit board in UMTAS Seeker Head Project. UMTAS Seeker Head Project is the Seeker Head of first National Anti Tank Missile of Turkish Army Forces.

System Design Engineer at UMTAS Seeker Head Project. Designed system architecture of UMTAS Seeker Head Project.

Senior Design Engineer / **aselsan**

June 2000 – August 2007

Hardware Design Engineer at ASIR Thermal Camera Project. Designed various analog and digital circuit card assemblies in ASIR Thermal Camera Project. ASIR Thermal Camera Project is the first national military thermal camera project of Turkish Army Forces.

Hardware Design Engineer and **System Design Engineer** at Falcon Eye Multi Sensor Project. Designed various analog and digital circuit card assemblies in this project. Designed system architecture of project. Falcon Eye Thermal Camera Project is the first National Multi Sensor Camera Project of Turkish Army Forces

Control and Analog Design Engineer at ASELFLIR-300T FLIR Project. Worked as a hardware design and system design engineer at ASELFLIR-300T FLIR Project. Designed various types of current controlled motor driver circuit card assemblies for FLIR. Designed closed loop position control algorithm for servo systems in FLIR. Designed different types of analog mixed signal interface circuit card assemblies in FLIR. ASELFLIR-300T is the first national military FLIR (Forward Looking Infrared) project of Turkish Army Forces.

RF Design Engineer / **aselsan**

June 1998 – August 2000

RF Hardware Design Engineer. Designed RF Synthesizer Circuit Card Assembly for UHF TV Transmitter. Designed LO & IF Mixer Circuit Card Assembly. Designed Band Pass Metal Cavity Filter for 200 Watt UHF TV Transmitter 1GHz