

ELECTRA IC

Doulos Certified Training Instructor

SUMMARY BIOGRAPHY



Melike Atay Karabalkan

Engineering Manager

Melike Atay Karabalkan received her BSc in Electronics and Communications Engineering from Yıldız Technical University and received her MSc in Electronics and Communications Engineering from Istanbul Technical University. Her research interests during graduate was image processing and digital design.

She is currently working as Engineering Manager in ElectraIC. She is involved in digital design, modelling, advanced verification, functional safety areas of multi-site, multi-culture high technology R&D projects. She has developed many digital signal processing designs using VHDL and Verilog. Also, she has developed MATLAB models of these designs and TCL scripts for automatized verification.

Prior to joining ElectraIC Melike worked for Koc Information and Defense Technologies for 2 years. Her main role was to develop an IP Core Library using VHDL for Sonar Signal Processing applications.

Prior to Koc Information and Defense Technologies, she worked as a researcher at TUBITAK (The Scientific and Technological Research Council of Turkey) for 4 years where she designed Elint and Comint Sytems using VHDL as well as C++ and MATLAB.

She participated in several conferences on signal processing and digital design. So far, she has 8 scientific publications at various conferences as a result of her researches.

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