

THE UNIVERSITY OF ARIZONA
GRADUATE COLLEGE

As members of the Dissertation Committee, we certify that we have read the dissertation
prepared by: Mohammad S. Majdi
titled:

and recommend that it be accepted as fulfilling the dissertation requirement for the Degree of
Doctor of Philosophy.



Jeffrey Rodriguez

Date: Aug 2, 2023



Carlos Alsua

Date: Aug 3, 2023



Janet Meiling Roveda

Date: Aug 8, 2023



Abhijit Mahalanobis

Date: Aug 3, 2023

Final approval and acceptance of this dissertation is contingent upon the candidate's submission
of the final copies of the dissertation to the Graduate College.

I hereby certify that I have read this dissertation prepared under my direction and recommend
that it be accepted as fulfilling the dissertation requirement.



Jeffrey Rodriguez

Dept. of Electrical and Computer Engineering

Date: Aug 2, 2023











Graduate College Dissertation Approval for Artin Majdi

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