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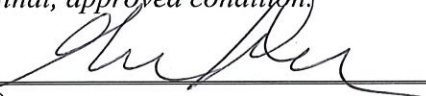
SUNY Polytechnic Institute
Colleges of Nanoscale Science and Engineering

The **dissertation** submitted by Eric Chih-Fang Liu, under the title, "Resist and process pattern variations in advanced node semiconductor device fabrication" has been read by the undersigned. It is hereby recommended for acceptance to the Faculty of the University in partial fulfillment of the requirements for the degree of Doctor of Philosophy.

Dissertation Committee Members

<u>Printed Name</u>	<u>Signature</u>	<u>Date Approved</u>
Robert Brainard	 (SUNY Poly Committee Member)	6/20/2022
Spyridon Galis	 (SUNY Poly Committee Member)	6/20/2022
Yun Han	 (External Committee Member)	6/21/2022
Subhadeep Kal	 (External Committee Member)	6/20/2022

As chair of the student's dissertation committee, I confirm that all required edits have been made and the thesis document is accepted in final, approved condition.

<u>Greg Denbeaux</u> (Dissertation Committee Chair)		6/21/2022 Date
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Recommendation submitted on behalf of SUNY Polytechnic Colleges of Nanoscale Sciences and Engineering by:

<u>J. ANDRE MELENDEZ</u> Dean of College, SUNY Polytechnic Institute		6/21/2022 Date
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 Dean of Graduate Studies SUNY Polytechnic Institute		6/21/22 Date
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