

**A VECTOR CONTROL SYSTEM FOR VOLTAGE SAG COMPENSATOR
USING BACK-TO-BACK CONVERTERS**

YUTTHACHAI SILLAPAWICHARN

**DOCTOR OF PHILOSOPHY
IN ELECTRICAL ENGINEERING**

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THE GRADUATE SCHOOL
CHIANG MAI UNIVERSITY
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**A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN
PARTIAL FULFILLMENT OF THE REQUIREMENTS
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THIS THESIS HAS BEEN APPROVED
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