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# **Power Electronics Converters and Systems**

## **Time-Domain Simulation**

### **Homework 3**

S.D. Sudhoff

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# Aspects of Assignment

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- Problem 5: Repeat the case study in Lecture Set 3C. Include all the plots discussed in lecture. Report on a design with a mass near 4.6 kg as on slide 41.
- Problem 6: Repeat problem 5, but in this case assume that all switching losses are 25% of the value in Problem 5. Superimpose the Pareto-optimal front with that obtained in Problem 5. You do not need to report on a particular design.