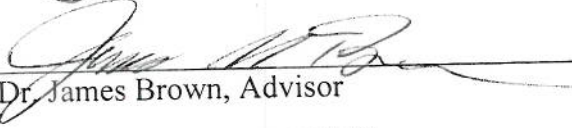


Dr. John Conbere, Committee Chair

6.14.12

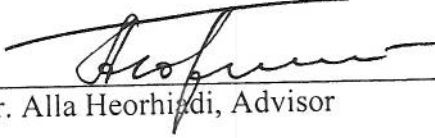
Date



Dr. James Brown, Advisor

5-30-2012

Date



Dr. Alla Heorhizdi, Advisor

6-14-12

Date