

CARLETON UNIVERSITY COMMITTEE ON QUALITY ASSURANCE

Cyclical Review of the Ottawa-Carleton Graduate Programs in Electrical and Computer Engineering: MAsc, MEng, and PhD

Executive Summary and Final Assessment

This Executive Summary and Final Assessment Report of the cyclical review of the PhD, MAsc, and MEng programs offered by the Ottawa-Carleton Institute for Electrical and Computer Engineering (OCIECE), a joint institute of the University of Ottawa and Carleton University, are provided pursuant to articles 4.2.5-4.2.6 of the provincial Quality Assurance Framework and articles 6.7 and 6.8 of the Institutional Quality Assurance Process for the Joint Graduate Programs of Carleton University and the University of Ottawa.

CARLETON UNIVERSITY COMMITTEE ON QUALITY ASSURANCE

Rapport d'évaluation finale et sommaire Examen cyclique des programmes d'études supérieures de l'Université d'Ottawa et de l'Université Carleton en génie électrique et en génie informatique

Le présent Rapport final et sommaire de l'examen cyclique des programmes de doctorat, de M.Sc.A et de M.Ing. offerts par l'Institut de génie électrique et de génie informatique d'Ottawa-Carleton (IGEIOC), un institut conjoint de l'Université d'Ottawa et de l'Université Carleton, est présenté conformément aux articles 4.2.5 et 4.2.6 du cadre provincial d'assurance de la qualité et des articles 6.7 et 6.8 du Protocole institutionnel d'assurance de la qualité (PIAQ) pour les programmes conjoints d'études supérieures de l'Université Carleton et de l'Université d'Ottawa.

EXECUTIVE SUMMARY

The Ottawa-Carleton Institute for Electrical and Computer Engineering combines the graduate offerings and research activities in electrical and computer engineering of the Department of Electronics and Department of Systems and Computer Engineering at Carleton University, and the School of Electrical and Computer Science at the University of Ottawa.

As a consequence of the review, the programs have been classified as of **good quality**.

Overall, the review of the three graduate programs offered by OCIECE was very positive. According to the external reviewers, all three academic departments benefit from their membership in the Institute and are able to offer stronger programs than they could on their own. Research in the Institute was judged to be of very high caliber. Graduate students in all three programs are heavily involved in research, and both faculty and graduate students have received top national and international awards.

The external reviewers did not identify any areas of weakness. However, six areas for program enhancement were identified, primarily with respect to the master's level programs:

1. The learning outcomes of the MEng program
2. The opportunities for MASc students to study outside their area of specialization
3. The opportunities for MEng students to engage in research
4. The participation of all OCIECE graduate students in opportunities to gain professional skills
5. The enrolment in the MEng program;
6. The opportunities for students to attend seminars and to present their own research

The Institute has identified a number of actions to implement these enhancements. An update on the implementation and the outcomes of these actions will be submitted to the Office of the Vice-Provost and Associate Vice-President (Academic), Carleton University and to the Faculty of Graduate and Postdoctoral Studies, University of Ottawa, by June 30, 2016.