

Submitted by: Laurie M. Lauzon Clabo, Interim Provost and Senior Vice President for Academic Affairs

## **PROPOSAL TO CHANGE THE NAME OF THE GRADUATE CERTIFICATE IN CYBER-PHYSICAL SYSTEMS TO THE GRADUATE CERTIFICATE IN MOBILITY**

### **Recommendation**

It is recommended that the Board of Governors change the name of the Graduate Certificate in Cyber-Physical Systems to the Graduate Certificate in Mobility, effective Winter 2020.

### **Background**

According to a recent report, the growth of the autonomous vehicle sector has been massive between 2015 and 2019: during this period, job postings increased by 833%. Thus, in order to catch up the numbers of job postings in the mobility sector, academic institutions need to provide students with the necessary background that will make them ready for the mobility job market. At the same time, we found that the current Cyber-Physical Systems graduate certificate program was not very successful due to the fact that the term of Cyber-Physical Systems (CPS) is very academia-oriented, and not industry friendly. In two years, only one student has been awarded the certificate. The faculty leaders of the current Cyber-Physical Systems Graduate Certificate program examined the situation and unanimously agreed that changing the name from Cyber-Physical Systems Graduate Certificate program to Mobility Graduate Certificate program should make it more attractive to industry, current and prospective students. All seven tracks will be kept the same as they are all highly related to Mobility. The only change will be adding the existing “Introduction to Mobility” course as an alternative to the core requirements.

### **Approvals**

The proposal was approved by the Cyber-Physical Systems Graduate Certificate Program faculty, the Dean of the College of Engineering, the Graduate Council, the Dean of the Graduate School, and the Interim Provost.