1077-47-2190 **Trieu L. Le*** (trieu.le2@utoledo.edu). *Boundedness and compactness of composition operators on Segal-Bargmann spaces.* Preliminary report.

For E a Hilbert space, let $\mathcal{H}(E)$ denote the Segal-Bargmann space (also known as the Fock space) over E, which is a reproducing kernel Hilbert space with kernel $K(x, y) = \exp(\langle x, y\rangle)$ for x, y in E. If φ is a mapping on E, the composition operator C_φ is defined by $C_\varphi h = h \circ \varphi$ for $h \in \mathcal{H}(E)$ for which $h \circ \varphi$ also belongs to $\mathcal{H}(E)$. We will discuss necessary and sufficient conditions for the boundedness and compactness of C_φ. Our results generalize results obtained earlier by Carswell, MacCluer and Schuster for finite dimensional spaces E. (Received September 21, 2011)