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Waleed K. Al-Rawashdeh* (walrawashdeh@mttech.edu), Montana Tech, Department of Mathematical Sciences, 1300 West Park Street, Butte, MT 59701. *Compact Weighted Composition Operators between Generalized Fock Spaces.*

Let ψ be an entire self-map of the n -dimensional Euclidean complex space \mathbb{C}^n and u be an entire function on \mathbb{C}^n . A weighted composition operator induced by ψ with weight u is given by $(uC_\psi f)(z) = u(z)f(\psi(z))$, for $z \in \mathbb{C}^n$ and f is entire function on \mathbb{C}^n . In this talk, we characterize the boundedness and compactness of these operators act between $\mathcal{F}_\phi^p(\mathbb{C}^n)$ and $\mathcal{F}_\phi^q(\mathbb{C}^n)$ for $0 < p, q \leq \infty$. Moreover, we give estimates for the Fock-norm of $uC_\psi : \mathcal{F}_\phi^p \rightarrow \mathcal{F}_\phi^q$ when $0 < p, q < \infty$, and also when $p = \infty$ and $0 < q < \infty$. (Received February 14, 2017)