In this talk, we define the generalized composite Hurwitz rings. Let $H(D)$ and $h(D)$ be the generalized composite Hurwitz series rings and the generalized composite Hurwitz polynomial rings, respectively. We denote $R$ by either $H(D)$ or $h(D)$. Then we investigates the equivalence conditions for $R$ to satisfy ascending chain conditions on principal ideals (ACCP). We also study when $R$ has some factorization properties.

References