Role of Integral operators and associated class of univalent functions in Geometric Function Theory.

There are many integral operators like Dizok-Srivastava Operator, Srivastava-Atiya Operators have been considered in geometric function theory which gives rise to distinguished class of univalent functions. In this talk we will make a short review of some such operators and use Komatu Integral Operator to obtain a new class of analytic functions. We obtain an upper bound of second Hankel determinant. At the end we shall mention about a method of solving differential equations in the complex domain through univalent function approach. (Received September 26, 2017)