

RATIONAL APPROXIMATION FOR DATA-DRIVEN MODELING AND
COMPLEXITY REDUCTION OF LINEAR AND NONLINEAR
DYNAMICAL SYSTEMS (MS - ID 69)

~~The Loewner Framework: An overview and recent
results~~

Athanasios C. Antoulas

Rice University

aca@rice.edu

In this talk we will present an overview of the Loewner framework for the reduction of dynamical systems both linear and nonlinear. Both time-domain and frequency-domain methods will be discussed, followed by several numerical examples.