

**CCSU**  
**DEPARTMENT OF MATHEMATICAL SCIENCES**

# **COLLOQUIUM**

Friday, September 24  
2:00 – 3:00 PM  
Maria Sanford, Room 101

## **SYSTOLE GROWTH ON RIEMANN SURFACES**

**ERAN MAKOVER**

**CENTRAL CONNECTICUT STATE UNIVERSITY**

### **ABSTRACT**

I will survey some results and ideas on the systole of compact and non-compact Riemann surfaces. I will then talk about the surfaces that maximize the systole length in the modular space of surfaces and the growth rate of the maximal systole. I will finish with some very explicit examples of surfaces with large systole and calculate their length.

***For further information:***

[gotchevi@ccsu.edu](mailto:gotchevi@ccsu.edu) 860-832-2839  
<http://www.math.ccsu.edu/gotchev/colloquium/>