

CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

Friday, September 5
3:00 – 4:00 PM
Maria Sanford, Room 101

IMPROVING MATH FOUNDATIONS
IN THE DIGITAL ERA

MARIAN F. ANTON

CENTRAL CONNECTICUT STATE UNIVERSITY

Abstract: In this talk, I will present the joint development of the textbook *Mathematical Foundations* with Karen Santoro, focusing on both its pedagogical goals and the challenges of designing for today's learners. As Stanislas Dehaene observed, "*Any student executes tens of elementary calculations daily. Over a lifetime, we must solve more than ten thousand multiplication problems.*" Building such fluency remains essential. Yet, as Manfred Spitzer cautions, "*Digital media use can impair learning and memory, replacing deep thinking with superficial processing.*" Our project explores how to strengthen mathematical foundations while leveraging digital tools responsibly.

To join us online use the following link: <https://ccsu.webex.com/meet/gotchev>

For further information: gotchevi@ccsu.edu; 860-832-2839;

<http://mathcolloquium.sites.ccsu.edu/>