

CCSU  
DEPARTMENT OF MATHEMATICAL SCIENCES  
VIRTUAL COLLOQUIUM

Friday, October 2  
3:00 – 4:00 PM

<https://ccsu.webex.com/meet/gotchev>

**EXTENSION OF A 2-ADIC VALUATION  
AND MONSKY'S THEOREM**

**MARIAN ANTON**  
CENTRAL CONNECTICUT STATE UNIVERSITY

**Abstract:** Can we divide a square into an odd number of triangles of equal area? Fred Richman considered asking this question in an exam for graduate students in 1965. After being unable to find any answer, he decided to ask it in the American Mathematical Monthly. After 5 years, Paul Monsky found an answer and his proof was brilliant. In this talk, we reveal the answer and discuss ideas from number theory and combinatorics that applies to its proof.

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