



One UT Collaboration & Innovation

Girls Achieving in Mathematics, Engineering, Science (GAMES)



THE UNIVERSITY OF
TENNESSEE
KNOXVILLE



The GAMES Team

At University of Tennessee, Knoxville (UTK) and University of Tennessee, Chattanooga (UTC):

- Tickle College of Engineering, UTK
- National Institute for Math and Biological Synthesis (NIMBioS)
- College of Engineering and Computer Science, UTC
- Center for Enhancing Education in Mathematics and Sciences and the East Tennessee STEM Hub (CEEMS)
- College of Education, Health, and Human Sciences, UTK
- NSF-DOE Center for Ultra-wide-area Electric Energy Transmission Networks (CURENT)
- National Institute for STEM Evaluation and Research

Project Goals

Integrate chess activities and education programs. Promote girls' interest and self-efficacy in STEM. Planned events include:

- Chess classes, tournaments, seminars, camps
- Chess-themed STEM activities
- Computational thinking
- Engineering concepts
- Interests in science
- Problem-solving skills

Contact

Xiaopeng Zhao

Professor, Department of Mechanical, Aerospace
and Biomedical Engineering

University of Tennessee, Knoxville

xzhao9@utk.edu

NIMBioS Live Stream

<http://www.nimbios.org/videos/livestream>

Speaker: Dr. Carolina Blanco

- Chess player, coach, entrepreneur, orthodontist, and women ambassador
- Selected chess accomplishments:
 - Title of Woman Fide Master at the age of 12
 - Title of Woman International Chess Master at the age of 19
 - 2-time Pan-American Women champion
 - 15-time Women and Girls Champion of Venezuela
 - 4-time member of the National Olympic team of Venezuela
 - 14-time Athlete of the Year by the Venezuelan chess federation