



**ASTFE**

American Society of Thermal and Fluids Engineers

# The Sustainability Tank Challenge: Leadership and Innovation in a Sustainable Built Environment

Session Chair: Dr. Yimin Zhu, Louisiana State University

Session Co-Chair: Dr. Tracey Rizzuto, Louisiana State University

PRESENTED BY: ASTFE AND  
THE CENTER OF LEADERSHIP DEVELOPMENT  
IN BUILT ENVIRONMENT SUSTAINABILITY  
(CLDBES)



THURSDAY, MAY 27, 2021, 8:00 P.M.  
(U.S. EASTERN TIME)

FRIDAY, MAY 28, 2021, 8:00 A.M.  
(HONG KONG TIME)

The **Sustainability Tank Challenge** will feature 5 international teams of students who are “pitching” their idea, product, design, etc., in support of built environment sustainability. Join us as our student teams put forth concepts to make our world more sustainable.

## The Sustainability Tank Challenge features:

### Green space as a preventive antidepressant during COVID-19

Fernando J. Claudio Rodriguez, University of North Carolina at Charlotte and Yuwen Yang, The University of Hong Kong

### How the built environment affects older people’s levels of physical activity: A research on communities in Hong Kong

Samantha Chacon, Louisiana State University and Emma Liqun Xiang, The Hong Kong Polytechnic University

### Urban scale passive design modeling

Adedayo Johnson Ogungbile, The Hong Kong Polytechnic University and Kris Govertsen, Northeastern University

### Rethinking the residential opening: A case study of Hong Kong

Stephen Grotz, The University of North Carolina at Charlotte and Vikrom Laovisutthichai, The University of Hong Kong

### Further application of the solar window in renewable energy technology

Brian Kohut, Cleveland State University and Shu-Ping Niu, The Hong Kong Polytechnic University



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