



CENTENNIAL ANNIVERSARY OF MECHANICAL ENGINEERING & GROVE SCHOOL OF ENGINEERING

RESEARCH COLLOQUIUM

Friday September 20, 2019

2:00 pm

Steinman Lecture Hall, Room T-161

Program

2:00 pm- A career in research and technology development at NASA

Dr. Juan Agui, NASA Glenn Research Center

**2:30 pm- Artificial Intelligence in Design & An Innovative Solution
to Internal Combustion Engine Performance Optimization**

Dr. Constantin Chassapis, Vice Provost, Stevens Institute of Technology

3:30 pm- Investigation of the elephant's metabolism using thermal imaging

Dr. Moise Koffi, Prof. of Mathematics, HOSTOS Community College

4:00 pm- Nuclear Materials and Extreme States: Micro- to macro-structure link

Dr. Nick Simos, PE, Sr Scientist Emeritus, Brookhaven National Laboratory

**4:30 pm- Computational study of binding of deformable nanoparticles to the cell
surface inspired by a soft matter approach**

Dr. Samaneh Farokhirad, Prof. of Mechanical Engineering, New Jersey Institute of
Technology

5:00 pm- Reception in Exhibit Room

5:00-6:00 pm- Poster presentations