

GREETINGS FROM EGYPT

Modeling, Control and Optimization (My Research Triangle)

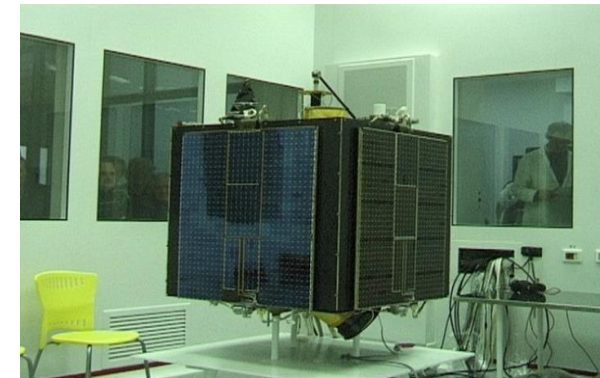
by

Dr. Ayman Hamdy Kassem

Aerospace Engineering Department, Cairo University

Who am I

- Professor and head of Aerospace Engineering Department, Cairo University.
- We are the oldest department in Africa and Middle East since 1938.
- We shared in HA-200 jet trainer and HA-300 supersonic fighter.
- We shared in Egyptsat1 the first Egyptian remote sensing satellite.

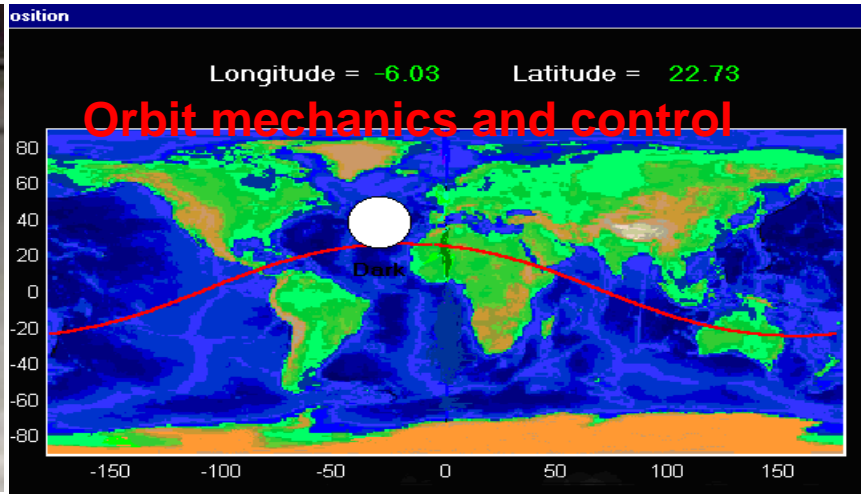


Who am I

- Ph.D. in Aerospace Engineering.
- Two masters: one in Computer Science, and the second in Mechanical Engineering.
- Published: 27 journal papers, 26 conference papers.
 - NASA technical report,
 - One book , and two book chapters,
 - Four US patents.
- Supervised two Ph.D.'s and 16 master theses
- Supervised 18 graduation projects.



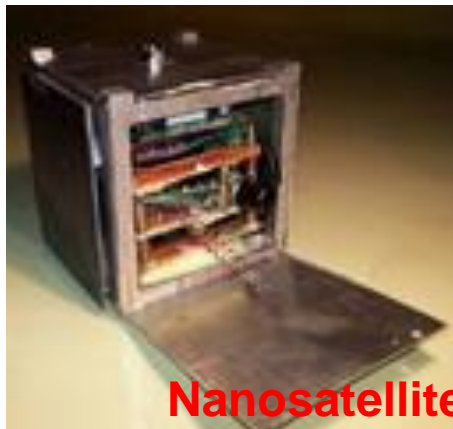
Water Desalination



Orbit mechanics and control



Outdoors Cooling systems



Nanosatellites



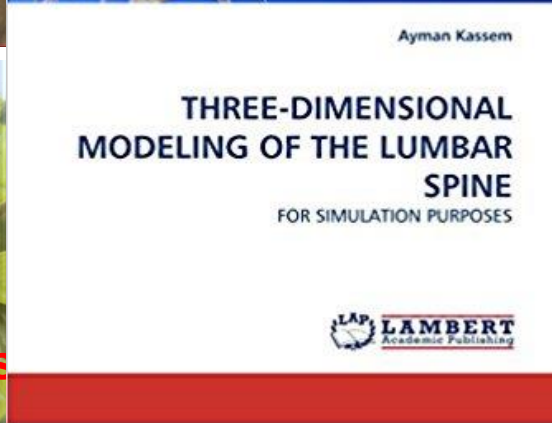
Biomechanics



Quad and Octocopter



Rovers and SLAM (Simultaneous localization and mapping).



Flight Simulator



thank
you