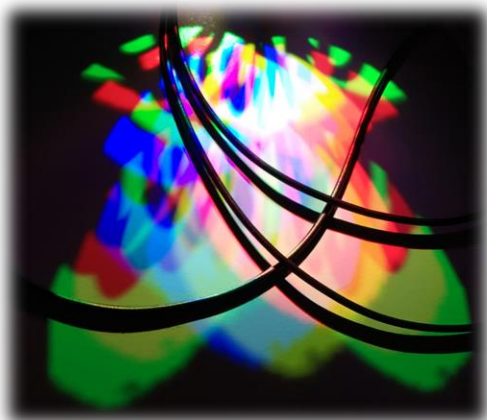
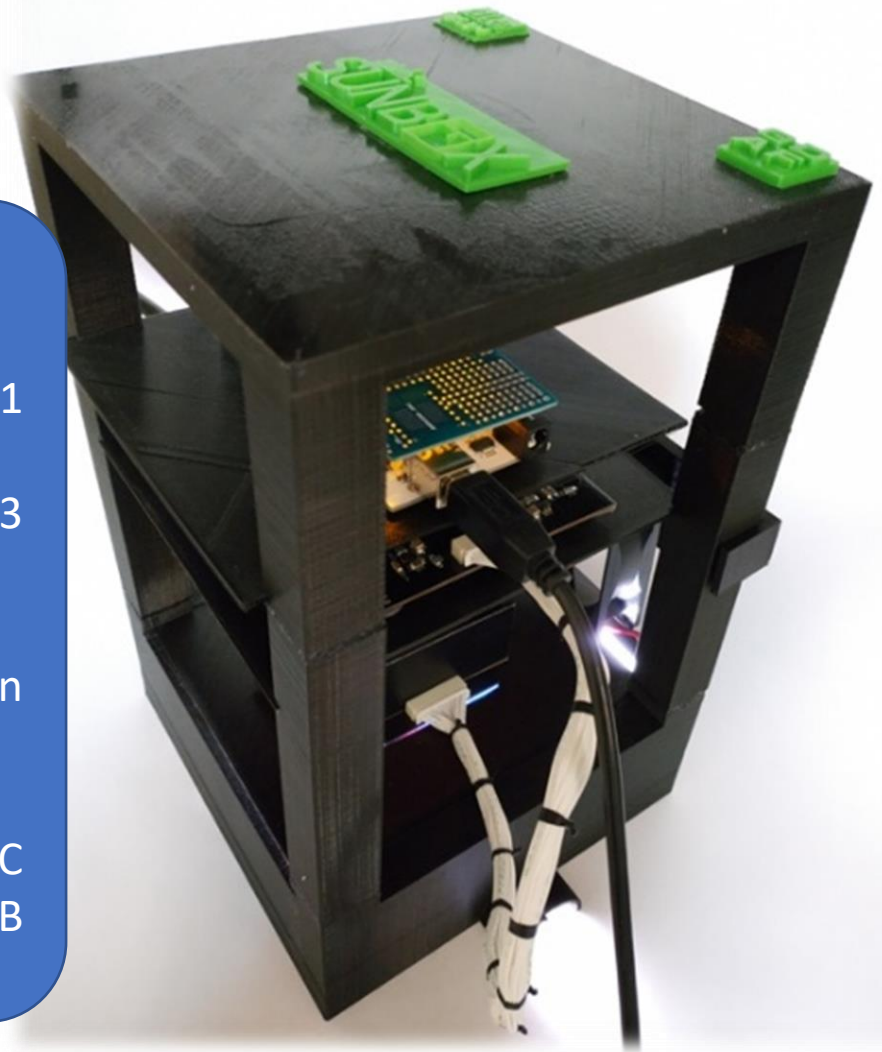


## A LOW-COST SUN SIMULATOR

### Features:

- ✓ AAA class in a 1 x 1 cm<sup>2</sup> área
- ✓ B class in a 3 x 3 cm<sup>2</sup> área
- ✓ AM1.5G  
IEC60904-9 in  
300-1100 nm
- ✓ User-friendly  
control by PC  
and USB  
connection



Contact us at

Universidad Carlos III de Madrid:

Eduardo López-Fraguas

[edlopezf@ing.uc3m.es](mailto:edlopezf@ing.uc3m.es)

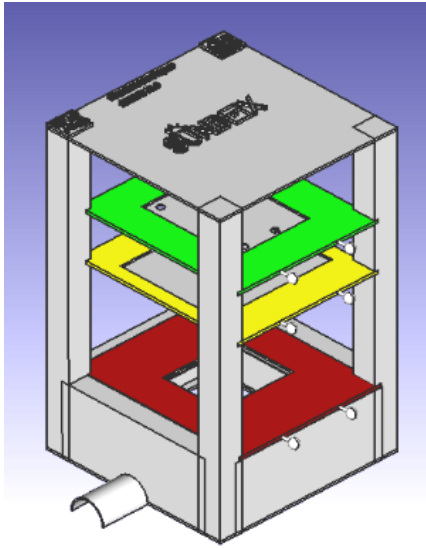
Ricardo Vergaz Benito


[rvergaz@ing.uc3m.es](mailto:rvergaz@ing.uc3m.es)

José Manuel Sánchez-Pena

[jmpena@ing.uc3m.es](mailto:jmpena@ing.uc3m.es)

# A LOW-COST SUN SIMULATOR



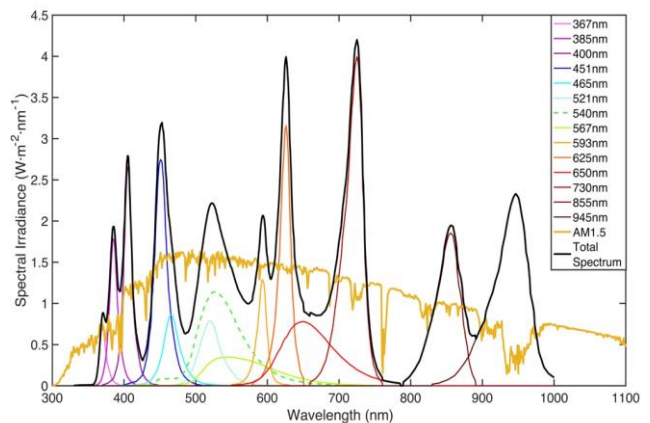
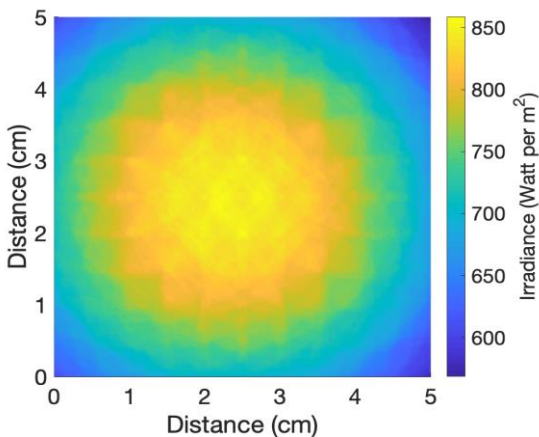
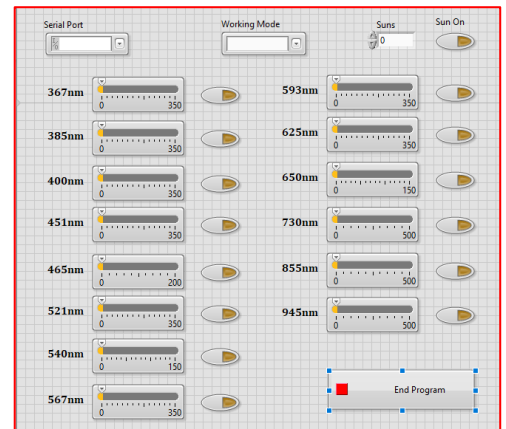
 Control Electronics

 Power Electronics

 LEDs PCB

## Control program by USB:

- ✓ SUN or custom mode
- ✓ Easy setting of current through LEDs



## Homogeneity:

- ✓ Class A in 1 x 1 cm<sup>2</sup>
- ✓ Class B in 3 x 3 cm<sup>2</sup>

## Temporal stability:

- ✓ Class A after 1 min warm-up

## Verified AM1.5G deviation under 25% in the following spectral ranges:

- ✓ 300-400nm
- ✓ 400-500 nm
- ✓ 500-600nm
- ✓ 600-700 nm
- ✓ 700-800 nm
- ✓ 800-900 nm
- ✓ 900-1100 nm

*IEC60904-9*