

# NASA MSFC Visit June 2022

Avinash Baskaran

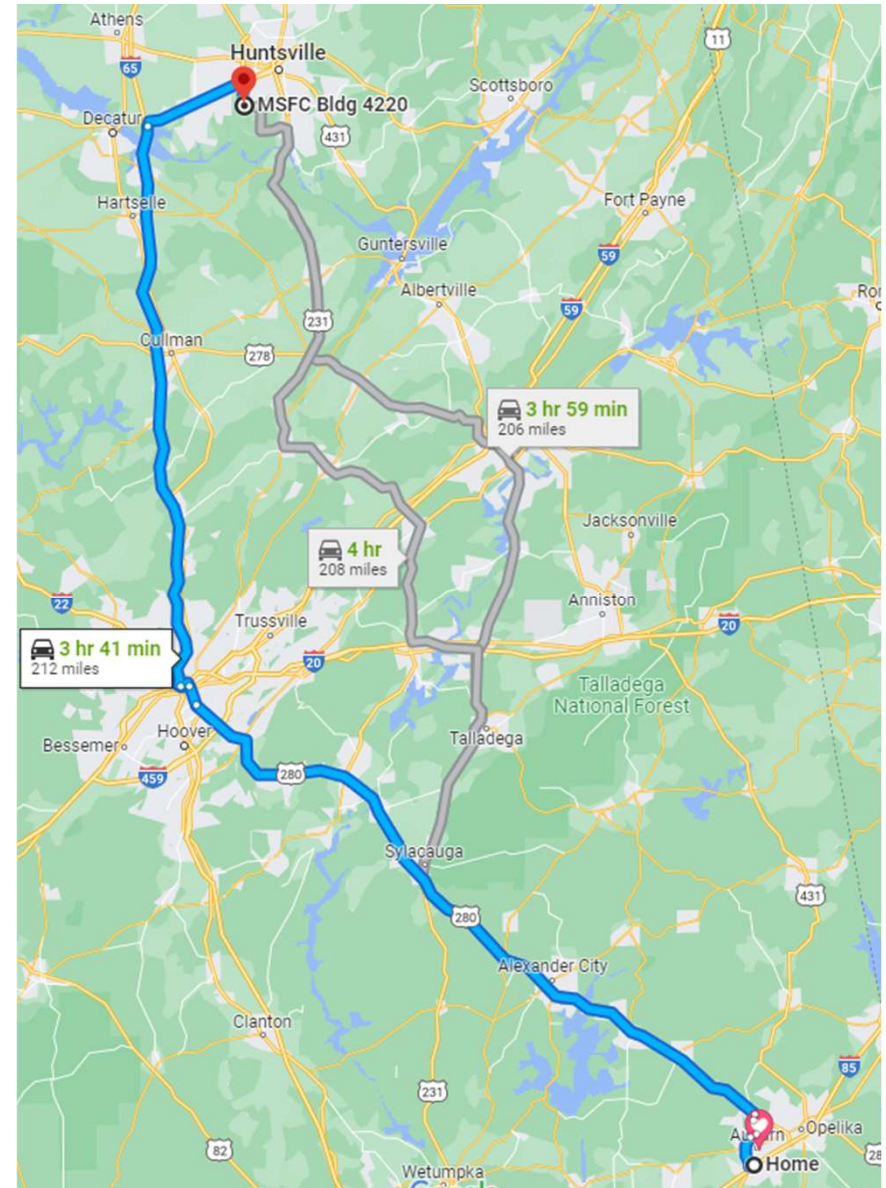
# Auburn → Huntsville

I will be traveling to NASA Marshall Space Flight Center in Huntsville, AL, to collaborate with NASA ES33 research branch on a research fellowship project. This collaboration is requisite to satisfy the terms of the fellowship, and will allow me to reapply for funding renewal in the future. This travel will occur from 6:00am on June 11<sup>th</sup> to 8pm on June 15<sup>th</sup>, 2022.

## Travel Details:

Distance: 210 Miles

Travel Time: 4 Hours



# Agenda

	6/11/2022	6/12/2022	6/13/2022	6/14/2022	6/15/2022
6:00 AM	Drive to MSFC building 4220 from 351 East Longleaf Dr., Auburn, AL 35832 for <b>Introduction and on-boarding (day 1)</b>				
7:00 AM					
8:00 AM		Drive to MSFC from hotel	Drive to MSFC from hotel	Drive to MSFC from hotel	Check out from hotel, drive to MSFC
9:00 AM		Meet MSFC coordinator, review sensor fabrication procedure	Perform electrical tests to characterize the prototype sensor, create a presentation of results to MSFC team	Perform validation experiment using the sensor(s) in a fatigue trial	
10:00 AM	Meet representative of the MSFC Electrical Engineer, Data and RF Systems (ES33) Branch				Consolidate learnings from the trip into a presentation and a separate write-up
11:00 AM					
12:00 PM	Lunch	Lunch	Lunch	Lunch	Lunch
1:00 PM	Tour the MSFC ES33 research center	Get familiar with fabrication equipment and software	Present the results of electrical tests to MSFC representative, coordinate with AU research team	Present the results of validation experiment to MSFC representative, coordinate with AU research team	Present the summary of fabrication, and experimentation to MSFC and AU research teams, discuss future work
2:00 PM					
3:00 PM	Meet the research team I will be working with, brief them on my project	Get familiar with sensor electrical performance characterization	Implement comments and feedback from the team in revising the analysis and the sensor design	Implement comments and feedback from the team in revising the analysis and the analysis software method	Early Dinner
4:00 PM		begin fabricating additional sensors			
5:00 PM					
6:00 PM	Drive to the hotel at 10013 S Memorial Pkwy, Huntsville, AL, 35803 and check in	Drive to the hotel and eat Dinner	Drive to the hotel and eat Dinner	Drive to the hotel and eat Dinner	Drive back to 351 East Longleaf Dr., Auburn, AL 35832 from MSFC building 4220
7:00 PM	Dinner				
8:00 PM	Study research materials for <b>sensor fabricating (day 2)</b>	Study research materials for <b>electrical characterization (day 3)</b>	Study research materials for <b>experimental trial (day 4)</b>	Pack up, study materials for <b>publication and off-boarding (day 5)</b>	