



## ***MSSD SYNTHESIS PROJECT FINAL REVIEW***

| THURSDAY DEC 12 | 10:00am-2:00pm | CFA 206B & 211 |

**10:00am - 10:45am | Komal Keshav Ganoo**

***Green Infrastructure as Urban Acupuncture:*** Scenario based design workflow for evaluating socio-environmental impact of GI for urban storm water applications.

**10:45am - 11:30am | Yi-Jia Liao + Nihar Pathak**

***Architecture of Bioplastics:*** Mapping the potential of increased biodegradability in bio-plastics on design implications, material strength and life cycle assessment.

**11:30am-12:15pm | Pragya Gupta**

***Architecture of Rammed Earth:*** Implications of surface geometry on design variability for contemporary formations of thermally performative Rammed Earth wall panels. (With support of GSA/Provost GuSH Grant)

~ 15 min break ~

**12:30pm - 1:15pm | Siddharth Ghoghari**

***A Geometric Approach to Climate Based Massing Design in High Density Districts:*** Parametric form development for high-rise residential buildings in Mumbai incorporating strategic zoning and environmental data feedback.

**1:15pm - 2:00pm | Ruiji Sun**

***Optimizing thermal comfort and energy usage:*** Integrating HVAC systems design and Building Energy Modeling workflow using gbXML data model.