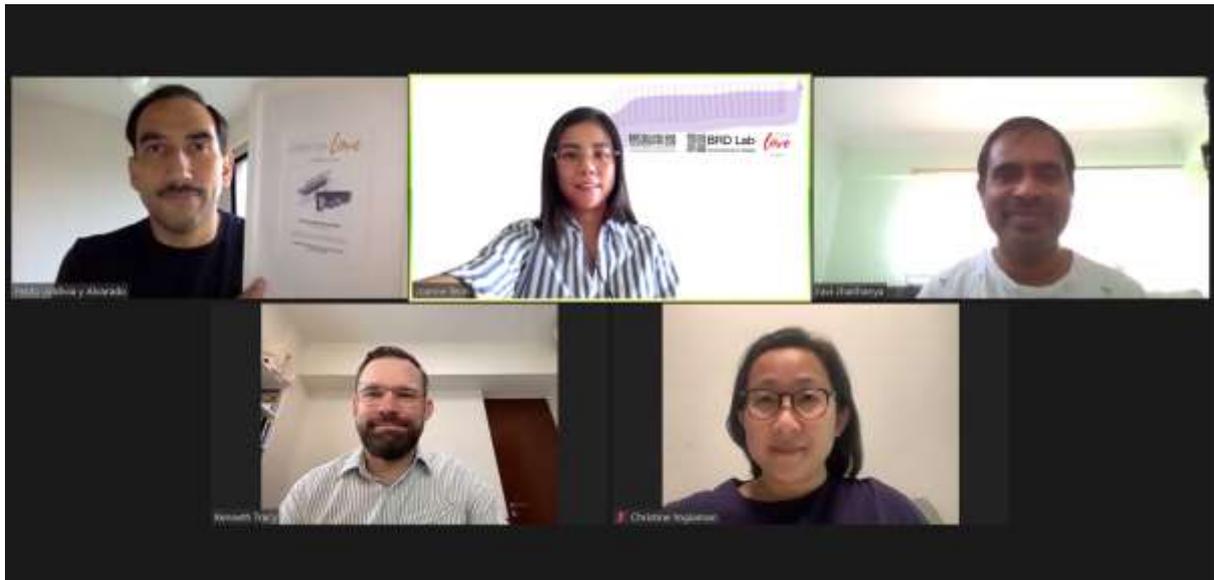


INTERVIEW with Assistant Prof Pablo Valdivia Y Alvarado of SUTD-MIT International Design Centre – Dynamic SFAAC

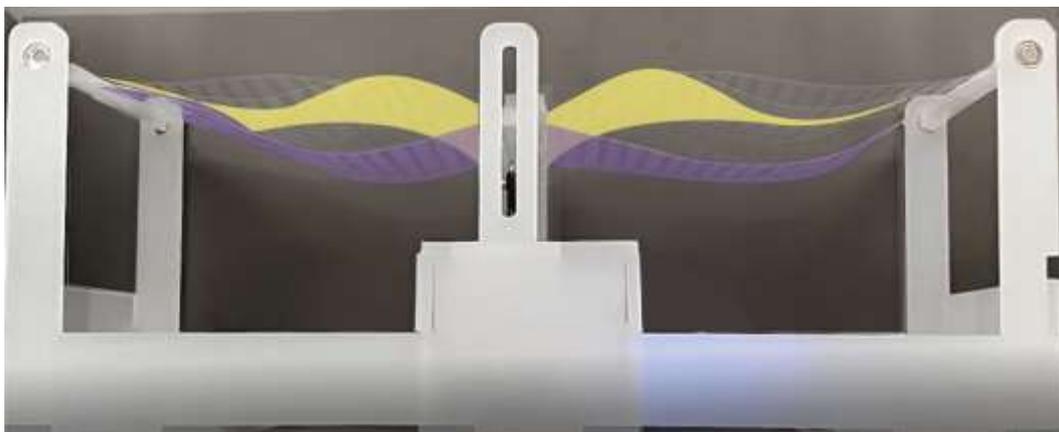


1. What inspired the direction of this project, and where do you feel this project has impacted environmental sustainability the most?

This project was born from our work on trying to better understand flow separation and how to control it. It is a fundamental problem in Fluid Mechanics and our collaboration with faculty in Architecture at SUTD led us to investigate applications to control the flow around buildings (or even inside) and using the resulting mixing to facilitate thermal comfort can have an important impact on energy sustainability, in particular for tropical urban environments.

2. This project has developed an excellent prototype. How would you bring this forward for practical action for people to love our city more?

It is our hope to partner with architecture/design firms to develop proof of value studies of our building facade concept.



3. How did you find out about COLA and what attracted you to apply for it?

Our Team found out about COLA through the International Design Centre (IDC) at SUTD. We were compelled to apply due to the emphasis on sustainability.

4. What advice would you offer to potential applicants who are keen to start their projects?

Our advice to potential applicants would be to just go for it! Start by looking at previous winning projects to get an idea of the breadth and depth of areas covered and get inspired to complete your own ideas.

5. With your expertise, what do you hope to see transformed for Singapore to be an even more lovable city?

Singapore is already an environment where innovative technologies are quickly adopted. We look forward to more innovations in the field of sustainability being adopted across more fields but in particular to consumer goods/products and the food industry.