



ICHPAV21
Virtual Congress

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ING NIEURIE A RONAUTIQUE



HUMAN
IMPULSE

ICHPAV21 Virtual Congress

International Congress on Human Powered Aircraft and vehicle



Congress Program

Devon Manz, 11th february 2022, 2pm GMT (15h French Time) :

“In search of endless flight”

When attached to a surf-style board, a hydrofoil lets the rider fly above the water. When “pumped,” the foil flaps like the tail of a dolphin allowing the rider to self-propel the foil. Today, Devon can fly for 2.5 minutes, but he’s trying to figure out what it will take to unlock nearly endless flight on a hydrofoil.

Blaine Rawdon, 11th february 2022, 4pm GMT (17h French Time) :

“Gossamer Condor and Gossamer Albatross History”

The talk presents an historical overview of Dr. Paul MacCready’s pioneering human powered aircraft, the Gossamer Condor and Gossamer Albatross. The Condor won the first Kremer prize for a one-mile, figure-8 flight. The Albatross won a second Kremer prize for a 22-mile flight across the English Channel. The concept, people and technologies are presented in pictures and drawings. Photos of the Albatross’ cross-channel flight are shown.

Gabriel Gomes de Oliveira, 12th february 2022, 11am GMT (12h French Time) :

“Analysis of the Ergonomic Concept of Public Transportation in the City of Campinas (Brazil)”

Currently, thousands of people move around the world using urban transport, which is the primary means of transportation between small and large cities. This work aims to analyze public transport in the ergonomic concept. Through analyses and studies in numerous scientific articles in the area, we understand and apply an innovative metric and methodology, thus analyzing the temperature, noise, the number of people inside the public transport, the speed of the means of transportation, and the average time that people wait for the arrival of the vehicle. It is important to note that these data align with the ergonomic comfort of a public transport population. This study was carried out in Campinas, located in the interior of São Paulo, Brazil.

Charles Dhenin, 12th february 2022, 4pm GMT (17h French Time) :

“The SUHPA project and the Super - Lazarus human powered aircraft”

In this lecture, I will go through the story of SUHPA, an entirely student led team at the University of Southampton, the construction of our first aircraft the "Lazarus", and the experience of testing it and winning the formula flight prize. I will also talk about our new aircraft, the "Super Lazarus", which will be ready to fly by then summer of 2022.

Alec Brooks, 12th february 2022, 5pm GMT (18h French Time) :

“The Flying Fish Human Powered hydrofoil watercraft”

Alec Proudfoot, 13th february 2022, 4pm GMT (17h French Time) :

“HPA as Sport” *

David Reungoat, 13th february 2022, 5pm GMT (18h French Time) :

“French HPA evolution is it a sustainable transport ?” *

***to confirm**