



UNIVERSITY
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MĀNOA

DEPARTMENT OF ATMOSPHERIC SCIENCES SEMINAR ANNOUNCEMENT

Department of Atmospheric Sciences, S.O.E.S.T., University of Hawai'i at Mānoa
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A Renewable Energy Engineer's Approach to Louis Michaud's Atmospheric Vortex Engine (A.V.E)

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DEPARTMENT OF ATMOSPHERIC SCIENCES
UNIVERSITY OF HAWAI'I AT MANOA

Date: Wednesday, December 6, 2017
Refreshments: 2:30pm
Free Cookies, Coffee & Tea Provided
(Please Bring Your Own Cup)
Seminar Time: 3:00pm
Location: MSB 100
Marine Sciences Building

Abstract:

Almost all energy creation processes, both renewable and non-renewable, have waste heat as a byproduct in some form. The U.S. Energy Information Agency states that the creation of waste heat constitutes about 60% of the total possible energy production created for end use. The application of the Atmospheric Vortex Engine to cooling tower processes, a current large contributor of waste heat, can utilize the convective potential of the atmosphere to more effectively disperse waste heat from a cooling tower into the atmosphere. This engine can reduce and or eliminate all parasitic energy loads of a power production facility, produce additional energy, and improve the overall efficiency of energy generation.