

AKE 2: Mobility: Hybrid Electric Aviation

Time: Monday 11:45–12:15

Location: U A-Esch 1

Invited Talk

AKE 2.1 Mon 11:45 U A-Esch 1

Innovation in aviation: the role of hybrid-electric aircraft

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Distributed electric aircraft propulsion promises energy and emission saving as well as operational benefits for future aircraft. A key for

realizing such new and unconventional concepts are lightweight and efficient hybrid-electric propulsion systems. The audience is introduced to the components of such systems, the characteristic performance parameters and the technological challenges in the optimization and implementation of such systems. The shown successful maiden flights and demonstrator projects pave the way for commercial applications.