



SHORT LIST

Key research themes:
Aircraft design; UAV; Sustainable Aviation

Vittorio Cipolla
University of Pisa

Category: Airborne

Country: Italy

Dr Cipolla has one foot in academia and one in industry. He is an Assistant Professor in the Industrial and Civil Engineering Department of the University of Pisa and also a co-founder and Board member of SkyBox Engineering S.r.l. The unifying theme is his interests in the design of advanced aircraft and UAVs. His work has been supported by Italian and EU funding. PARSIFAL (Prandtlplane ARchitecture for the Sustainable Improvement of Future AirLanes, 2017-20) was a H2020 project aiming to demonstrate the technical feasibility, and the environmental and economic impact of a box-wing aircraft configuration. In addition to being consortium leader, Dr Cipolla also contributed to aircraft design and environmental impact assessment. The output of PARSIFAL significantly advanced the development of this novel aircraft configuration.



SHORT LIST

Key research themes:
Multimodality; passenger behaviour; air transport demand.

Annika Paul
Bauhaus Luftfahrt

Category: Airborne

Country: Germany

Dr Paul has a keen interest in understanding how to improve the cooperation across transport modes in order to meet future challenges, placing a particular focus on the passenger experience. The project Modus (Modelling and assessing the role of air transport in an integrated, intermodal transport system, 2020-22) is funded within the scope of the EU-H2020-SESAR programme 'The role of Air Traffic Management (ATM) in intermodal transport'. The Modus consortium is developing a modelling approach to assess seamless door-to-door multimodality and passenger experience in Europe, and the impact of diverse passengers' modal choice decisions on capacities, predictability and the environment. Dr Paul has been working on the development and assessment of multimodal mobility scenarios, drivers of future passenger behaviour and modal choice considerations.