

Kasım Biber

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1998-2002 Yardımcı Doçent, Makina ve Uçak Mühendisliği Bölümü, Western Michigan Üniversitesi, Kalamazoo, Michigan, Amerika Birleşik Devletleri.

ONUR VE ÖDÜLLER:

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2017 TUBITAK Araştırma Bursu, AFRL, Dayton, Ohio, Amerika Birleşik Devletleri.

2001 and 2002, AFRL Araştırma Bursu, Dayton, Ohio, Amerika Birleşik Devletleri.

2000 SAE- Uçak Mühendisliği Tanıma (Recognition) Ödülü, Kansas, Amerika Birleşik Devletleri.

1999-2002, AIAA Uçak Aerodinamiği ve Tasarımı Komitesi Üyeliği, Amerika Birleşik Devletleri.

1989-present, Kıdemli Üye, Amerikan Uçak ve Uzay İstitüsü (AIAA), Amerika Birleşik Devletleri.

1985-1991, Master ve Doktora Eğitimi için Devlet Bursu, Milli Eğitim Bakanlığı, Türkiye.

YAYINLANMIŞ KİTAPLAR ve KİTAPLARDA BÖLÜMLER:

Biber, K, "Performance of a Propeller Driven Cargo Airplane," Chapter 7, *Advances in Sustainable Aviation, Springer International Publishing*, ISBN 978-3-319-67134-5, January 2018.

YAYINLANMIŞ MAKALELER:

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8. Biber, K. "An Overview of Static and Dynamic Airfoil Performance," *Journal of Aerospace - 1993 SAE Transactions*, Section 1, Sep. 1994, pp. 101-114.
9. Biber, K. and Mendoza, J. "Flow Study of Supersonic Wing-Nacelle Configuration," *AIAA Journal of Aircraft*, Vol. 32, No. 1, Jan.-Feb. 1995, pp. 1424-1426.
10. Biber, K. and Zumwalt, G.W. "Flow Field Measurements of a Two-Element Airfoil with Large Separation," *AIAA Journal*, Vol.31, No.3, March 1993, pp. 459-464.
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YAYINLANMIŞ KONFERANS MAKALELERİ:

1. Biber, K., "Design and Application of a New Splitter Plate-Pressure Probe for Wind Tunnel Flow Measurements," ICAMMEN 2018, Yildirim Beyazit University, Ankara, November 8-9, 2018.
2. Biber, K., "Calculation of Propeller-Slipstream Drag and Its Application on an Airplane Performance," ICAMMEN 2018, Yildirim Beyazit University, Ankara, November 8-9, 2018.
3. Biber, K., "Hysteresis Effects on Wind Tunnel Tests of Airfoils and Wings," ICAMMEN 2018, Yildirim Beyazit University, Ankara, November 8-9, 2018.
4. Biber, K., "A New Transonic Airfoil Designed and Optimized for a Future MALE UAV Concept," ICAMMEN 2018, Yildirim Beyazit University, Ankara, November 8-9, 2018
5. Biber, K, "Comparison of Experimental Data with Computations for a Propeller-Driven Airplane," AIAA-2017-0723, *AIAA SciTech 2017*, Grapevine, TX, 9-13 Jan 2017.
6. Biber, K, "Flight Performance Predictions of a Propeller-Driven Cargo Airplane," *International Symposium on Sustainable Aviation*, ISSA-2016-203, Istanbul, 29 May- 1 June 2016.
7. Biber, K, "Calculation of Propeller Pitch Stops for Airplane Performance," *International Symposium on Sustainable Aviation*, ISSA-2015-210, Istanbul, 29 May- 1 June 2016.
8. Biber, K, "Comparison of Wind Tunnel Data with Vortex Lattice based Computations for a Propeller-Driven Cargo Airplane," *International Symposium on Sustainable Aviation*, ISSA-2016-173, Istanbul, 29 May-1 June 2016.
9. Biber, K, "Airfoil, Wing and Configuration Design for an Unmanned Air Vehicle," *International Symposium on Sustainable Aviation*, ISSA-2016-211, Istanbul, 29 May- 1 June 2016.
10. Biber, K, "Flight Dynamics Modeling of a Propeller Driven Cargo Airplane," AIAA-2016-0806, *AIAA SciTech 2016*, San Diego, CA, 5-9 Jan 2016.
11. Biber, K, "Estimating Operational Limits of Propeller Pitch Angle for a Turboprop Airplane," *8th Ankara International Aerospace Conference*, AIAC-2015-039, Ankara, Turkey, 10-12 Sept 2015.
12. Biber, K, "Aerodynamic Analysis of a Medium-Altitude, Long-Endurance Unmanned Aircraft," *8th Ankara International Aerospace Conference*, AIAC-2015-062, Ankara, Turkey, 10-12 Sept 2015.

13. Biber, K, "Flight Dynamics Modeling of a High-Wing Cargo Airplane," *8th Ankara International Aerospace Conference*, AIAC-2015-067, Ankara, Turkey, 10-12 Sept 2015.
14. Biber, K, "Method of Tail Sizing During Preliminary Design of Airplane," AIAC-2015-084, *8th Ankara International Aerospace Conference*, Ankara, Turkey, 10-12 Sept 2015.
15. Biber, K, "Effect of Slipstream Drag on Estimating Performance of a Single-Propeller Airplane," AIAC- 2015-085, *8th Ankara International Aerospace Conf*, Ankara, Turkey, 10-12 Sept 2015.
16. Biber, K, "Flight Dynamics Modeling of A Supersonic Aircraft Concept," AIAA- 2015-031, *AIAA SciTech 2015*, Kissimmee, FL, 5-9 Jan 2015.
17. Biber, K, "Modeling the Flight Dynamics of a New Supersonic Aircraft during Preliminary Design," AIAC-2013-052, *7th Ankara Int. Aerospace Conf*, Ankara, Turkey, Sept 11-13, 2013.
18. Biber, K, "Accounting Propeller Slipstream Drag on Performance Predictions of A Cargo Transport Airplane," AIAC-2011-025, *6th Ankara Int. Aerospace Conf.*, Ankara, Turkey, Sept 14-16, 2011.
19. Biber, K, "Stability and Control Evaluation of a New Low Boom Supersonic Air Vehicle during Preliminary Design," AIAC- 2011-048, *6th Ankara International Aerospace Conference*, Ankara, Turkey, Sept 14-16, 2011.
20. Biber, K, "Stability and Control Characteristics of a New FAR23 Airplane," AIAA-2005-255, *44rd Aerospace Sciences Meeting and Exhibit*, Reno, NV, 9-12 Jan 2006.
21. Biber, K, "Wind Tunnel Characterization of a High Wing Cargo Transport Airplane," AIAC- 2005-031, *3rd Ankara International Aerospace Conference*, Ankara, Turkey, Aug 22-25, 2005.
22. Biber, K, "Computational Investigation of Transitional Bubble Observed on Some Unmanned Air Vehicles," AIAC- 2005-035, *3rd Ankara Int. Aerospace Conf.*, Ankara, Turkey, Aug 22-25, 2005.
23. Biber, K, "Performance Predictions for a FAR 23 Airplane Driven by a Single Propeller," AIAC- 2005-056, *3rd Ankara International Aerospace Conference*, Ankara, Turkey, Aug 22-25, 2005.
24. Biber, K, "Method of Calculating Propeller Slipstream Drag in Airplane Performance," AIAA- 2005-0691, *43rd Aerospace Sciences Meeting and Exhibit*, Reno, NV, 10-13 Jan 2005.
25. Biber, K, "Stall Hysteresis of an Airfoil with Slotted Flap," AIAA-2005-1230, *43rd Aerospace Sciences Meeting and Exhibit*, Reno, NV, 10-13 Jan 2005.
26. Biber, K., Ol, M. and Tilmann, C., "Some Examples of Airfoil Design for Future Unmanned Air Vehicle Concepts," AIAA-2004-1050, *42nd Aerospace Sciences Meeting*, Reno, NV, 5-8 Jan 2004.
27. Biber, K. and Tilmann, C., "Supercritical Airfoil Design for Future HALE Concepts," AIAA-2003- 1095, *41st Aerospace Sciences Meeting and Exhibit*, Reno, NV, 6-9 Jan 2003.
28. Biber, K. "Impact of Design/Build/Fly Activity in Aeronautical Engineering Education," AIAA- 2002-0961, *40th Aerospace Sciences Meeting and Exhibit*, Reno, NV, 14-17 Jan 2002.
29. Biber, K. "Experience of Design/Build/Fly Environment in Aeronautical Engineering," *2001 ASEE North Central Section Spring Conference*, Cleveland, OH, April 6-7, 2001.
30. Biber, K. "Method of Determining Propeller Pitch Stops for A FAR 23 Airplane," SAE-2000-01- 1692, *SAE 2000 General Aviation Technology and Exposition*, Wichita, KS, May 9-11, 2000.
31. Biber, K. "Supersonic Flow Simulation of Engine/Airframe Interference Effects," *The Twenty Seventh MUFMECH 2000 Annual Fluid Mechanics Meeting*, April 15, 2000.
32. Biber, K. "Determination of Propeller Pitch Stops for a Turboprop Airplane," AIAA-2000- 0497, *38th Aerospace Sciences Meeting and Exhibit*, Reno, NV, 10-13 Jan 2000.
33. Biber, K. "Physical Aspects of Stall Hysteresis on an Airfoil with Slotted Flap," AIAA-95-0440, *33rd Aerospace Science Meeting and Exhibit*, Reno, NV, Jan. 1995.

34. Biber, K. and Mendoza, J., "Flow Visualization Study of a Nacelle in Close Proximity to a Wing at Mach 2," AIAA-94-0670, *32nd Aerospace Sciences Meeting and Exhibit*, Reno, NV, Jan. 1994.
35. Biber, K. "Stall Hysteresis on Multi-Element Airfoils," Presented at Ground/Flight Testing Session, *21st AIAA Technology-Fest Proceedings*, Wichita, KS, Nov. 1994.
36. Fryer, J. and Biber, K. "Economic Viability of High Speed Civil Transport," Presented at Aircraft Design Session, *21st AIAA Technology-Fest Proceedings*, Wichita, KS, Nov. 1994.
37. Parrott, J. and Biber, K. "Developments on Global Positioning System," Presented at Avionics/Systems Session, *21st AIAA Technology-Fest Proceedings*, Wichita, KS, Nov 1994.
38. Davis, K. and Biber, K. "Digital Data Links in Aviation," Presented at Avionics/Systems Session, *21st AIAA Technology-Fest Proceedings*, Wichita, KS, Nov 1994.
39. Biber, K. and Zumwalt, G.W., "Hysteresis Effects on Wind Tunnel Measurements of a Two-Element Airfoil," AIAA-93-0646, *31st Aerospace Sciences Meeting*, Reno, NV, Jan. 1993.
40. Biber, K. "An Overview of Static and Dynamic Airfoil Performance," SAE- 93-1228, *SAE 1993 General Aviation Meeting and Exposition*, Wichita, KS, May 1993.
41. Biber, K and Zumwalt, G.W., "An Experimental Study of a Two-Element Airfoil with Large Separation," AIAA-92-0267, *30th Aerospace Sciences Meeting and Exhibit*, Reno, NV, Jan 1992.