

SHABUDIN BIN MAT

1. Personnel

NAME : DR. SHABUDIN BIN MAT

I/C : 740906-09-5119

NATIONALITY : MALAYSIAN

DATE OF BIRTH : 06 – SEPTEMBER 1974

PLACE OF BIRTH : PERLIS

MARITUS STATUS : MARRIED

ADDRESS : 25, JALAN PULAI PERDANA 3/3, TAMAN SRI PULAI PERDANA, 81110, JOHOR BAHRU

OFFICE : DEPARTMENT OF AEROSPACE, FACULTY MECHANICAL ENGINEERING, 81310, UTM JB, JOHOR

2. ACADEMIC QUALIFICATIONS:

No.	Degree(s)	Year	Grade	Awarded University
1)	DEGREE IN AERONAUTICAL ENGINEERING	1997	CPA 2.8	UNIVERSITI TEKNOLOGI MALAYSIA
2)	MASTER IN AERONAUTICAL MAINTENANCE AND PRODUCTION (TUTITION FEES IS COVERED BY FRENCH GOVERNMENT)	1998	AVERAGE: 13.06/20	ECOLE NATIONALE SUPERIEURE D'INGENIEUR DE CONSTRUCTION AERONAUTIQUE, TOULOUSE, FRANCE
3)	PHD IN EXPERIMENTAL AERODYNAMICS <u>(UNDER ISLAMIC DEVELOPMENT BANK SCHOLARSHIP)</u>	2010	PASSED	UNIVERSITY OF GLASGOW, SCOTLAND, UNITED KINGDOM

3. PROFESIONAL MEMBERSHIP

REGISTERED WITH MALAYSIAN BOARD OF ENGINEER

4. CURRENT POSITION

SENIOR LECTURER, SINCE 12 FEBRUARY 2011

5. TEACHING/SUPERVISION

5.1 Teaching

SMA 4812 – FLIGHT ECONOMY (1999 – 2005)
SMA 4513 – AIRCRAFT DESIGN 1 (1999- 2005)
SMF1313 – FLUID MECHANICS (2010 – 2011)
SMF3333 - AERODYNAMICS (2010 – 2011)

5.2 Supervision

NO PHD AND MASTER STUDENT FOR THE TIME BEING [JUST COMPLETED PHD]

6. RESEARCH

6.1 International Level

COMPLICATED PHD WORK FUNDED BY NATO
DR. SHABUDIN MAT WAS ALSO THE PANEL OF NATO WORKING GROUP
ON VORTEX FLOW EXPERIMENT. [REFER ATTACHMENT 10.4.1)

6.2 National Level

APPLYING GRANT TO PROCEED AERODYNAMIC RESEARCH

7. CONSULTANCY

8.1 International Level

No

8.2 National Level

ASSESOR OF MALAYSIAN QUALITY ASSURANCE

8. BOOKS

8.1 Books

No

8.2 International Journal(s)

1) THOLUDIN BIN MAT LAZIM, SHABUDIN BIN MAT, HUONG YU SAINT,
COMPUTATIONAL FLUID DYNAMICS SIMULATION (CFD) AND EXPERIMENTAL

STUDY ON WING-EXTERNAL STORE, AERODYNAMIC INTERFACE OF A SUBSONIC FIGHTER AIRCRAFT, OCTOBER 2003, JOURNAL OF ACTA POLYTECHNICA, 60-65 / ISSN 1210 – 2790

2) THOLUDIN BIN MAT LAZIM, SHABUDIN BIN MAT, **HUONG YU SAINT COMPUTATIONAL FLUID DYNAMICS SIMULATION (CFD) AND EXPERIMENTAL STUDY ON WING-EXTERNAL STORE**, AERODYNAMIC INTERFACE OF A SUBSONIC FIGHTER AIRCRAFT, SEPTEMBER 2004, JOURNAL OF ACTA POLYTECHNICA, 9-14 / ISSN 1210 – 2790

8.2.1 National Journal(s)

1) ISKANDAR SHAH ISHAK, SHABUDIN BIN MAT, THOLUDIN BIN MAT LAZIM, MOHD KHIR BIN MUHAMMAD, SHUHAIMI BIN MANSOR & MOHD. ZAILANI AWANG, **ESTIMATION OF AERODYNAMIC CHARACTERISTICS OF A LIGHT AIRCRAFT**, DECEMBER 2006, JOURNAL MEKANIKAL, 64 – 74 / ISBN 0127 – 3396

8.3 International Papers

1) THOLUDIN BIN MAT LAZIM, SHABUDIN BIN MAT, **A CFD AND EXPERIMENTAL STUDY ON WING EXTERNAL STORE AERODYNAMIC INTERFERENCE OF A SUBSONIC FIGHTER AIRCRAFT**, 3RD INTERNATIONAL CONFERENCE ON ADVANCED ENGINEERING DESIGN. 1-4 JUNE 2003, PRAGUE, CZECH REPUBLIC.

2. ISKANDAR SHAH ISHAK, SHABUDIN BIN MAT, THOLUDIN MAT LAZIM & MOHD. ZAILANI BIN AWANG, **EXPERIMENTAL AND COMPUTATIONAL FLUID DYNAMICS (CFD) STUDIES ON HALF-MODEL TRANSPORT AIRCRAFT**, INTERNATIONAL CONFERENCE ON MECHANICAL ENGINEERING, 26-28 DECEMBER 2003, DHAKA, BANGLADESH

3. MR. SHABUDIN BIN MAT, V.C. VENKATESH, PANG KWAI CHIN, **MATERIAL ANALYSIS AND MANUFACTURING PROCESSES OF THE AIRCRAFT ENGINE COMPRESSOR BLADES**. THE SECOND INTERNATIONAL & THE FIFTH NATIONAL CONFERENCES OF IRANIAN AEROSPACE SOCIETY. 16-18 FEBRUARY 2004, ISFAHAN, IRAN

4) V.C. VENKATESH, M. SHABUDIN & PANG KWAI CHIN, **DESIGN FOR MANUFACTURE OF AIRCRAFT ENGINE COMPRESSOR BLADES**, INTERNATIONAL CONFERENCE ON ADVANCED MANUFACTURING TECHNOLOGY 2004. 11-13 MAY 2004, KUALA LUMPUR

5) SHABUDIN BIN MAT, THOLUDIN BIN MAT LAZIM, **AERODYNAMIC STUDY OF SUBSONIC FIGHTER AIRCRAFT WITH AN EXTERNAL STORE**, REGIONAL CONFERENCE ON AERONAUTICAL SCIENCE, TECHNOLOGY AND INDUSTRY (RC-ASTI), 18-19 MAY 2004, BANDUNG, INDONESIA

6) FRANK N. COTON, SHABUDIN BIN MAT, RODERICK A.McD. GALBRAITH & ROBERT GILMOUR, **LOW SPEED WIND TUNNEL CHARACTERIZATION OF THE VFE-2 WING**. 46TH AIAA AEROSPACE SCIENCES MEETING AND EXHIBIT, RENO, USA

8.4 Scientific Technical Papers

1) Chapter 22 of NATO technical report on Vortex Flow Experiment (2), (VFE-2), 2009

2) Contribution to Final NATO report on Vortex Flow Experiment (2), (VFE-2), 2009

3) The analysis of flow on round-edged Delta Wing, 2010, PhD thesis, Glasgow University

8.5 Selected Research Projects/Consultancy

1) NATO funded project (AVT-113) on wind tunnel testing of round-edged delta wing.

2) Low speed characteristics of high plane transport aircraft, Project Leader (RMC budget RM20 000).

3) A Study on wing-external store Aerodynamic Interference of a Subsonic Fighter Aircraft, Project Member (RMC budget 20 000).

4) Low speed characteristics of NACA aerofoils, Project Leader (RMC budget RM7 000).

9. AWARDS

No.	Award Name	Awarded Body:	Year
1	Dean List	Faculty of Mechanical Engineering, University Technology Malaysia	1997

2	French Aeronautics and Space Industry Award (FASIA AWARD)	French Aerospace Academy (ANAE), The Groupment of French Aerospace Industry Association (GIFAS).	1998
3	2004 Excellence Service Award	Universiti Teknologi Malaysia	2004
4	Islamic Development Bank (IDB) Merit Scholarship Programme (MSP) award for PhD study in High Technology Courses. A very competitive scholarship based on merit of academic and publications.	Islamic Development Bank, P.O. BOX 5925, Jeddah 21432, Kingdom of Saudi Arabia.	2005

10. Other Contribution

ACCREDITATION ASSESOR FOR MALAYSIAN QUALITY ASSURANCE (MQA) FOR THE FOLLOWING COURSES;

No.	COURSES	COLLEGES	DEGREE LEVEL
1	DIPLOMA IN AUTOMOTIVE (SM 3038)	KOLEJ WIT, PELBUHAN KLANG	DIPLOMA
2	DIPLOMA IN AUTOMOTIVE (SM3186)	KOLEJ WIT, IPOH	DIPLOMA
3	DIPLOMA IN AIRCRAFT MAINTENANCE (SM3311)	KOLEJ TAFE SEREMBAN	DIPLOMA
4	DIPLOMA IN AIRCRAFT MAINTENANCE (AVIONIC) TECHNOLOGY(KN5155)	UNIVERSITI KUALA LUMPUR	DIPLOMA
5	DIPLOMA IN AIRCRAFT MAINTENANCE (COMPOSITE) TECHNOLOGY(KN5153)	UNIVERSITI KUALA LUMPUR	DIPLOMA
6	DIPLOMA IN AIRCRAFT MAINTENANCE (MANUFACTURING) TECHNOLOGY(KN5154)	UNIVERSITI KUALA LUMPUR	DIPLOMA
7	DIPLOMA IN MAINTENANCE AND AUTOMATION TECHNOLOGY (KN51420)	MALAYSIAN FRANCE INSTITUT, UNIKL	DIPLOMA
8	DIPLOMA IN ENGINEERING	MALAYSIAN FRANCE	DIPLOMA

	TECHNOLOGY (AUTOMOTIVE MAINTENANCE), KN 5144	INSTITUT, UNIKL	
9	BACHELOR IN ENGINEERING TECHNOLOGY (INDUSTRIAL AUTOMATION AND ROBOTICS), (SM 3474/A 0850)	MALAYSIAN FRANCE INSTITUT, UNIKL	BACHELOR
10	CERTIFICATE IN MAINTENANCE TECHNOLOGY (BODY AND AIRCRAFT ENGINE), (KN5463)	MALAYSIAN INSTITUTE OF AVIATION TECHNOLOGY	CERTIFICATE
11	DIPLOMA IN ENGINEERING TECHNOLOGY (AUTOMOTION AND CONTROL), (KA 5647)	MALAYSIAN FRANCE INSTITUT, UNIKL	DIPLOMA
12	DIPLOMA IN AIRCRAFT MAINTENANCE TECHNOLOGY(AVIONIC), (A1165)	MALAYSIAN INSTITUTE OF AVIATION TECHNOLOGY	DIPLOMA
13	DIPLOMA IN AIRCRAFT MAINTENANCE TECHNOLOGY(COMPOSITE), (A1163)	MALAYSIAN INSTITUTE OF AVIATION TECHNOLOGY	DIPLOMA
14	DIPLOMA IN AIRCRAFT MAINTENANCE TECHNOLOGY(COMPOSITE), (A1163)	MALAYSIAN INSTITUTE OF AVIATION TECHNOLOGY	DIPLOMA