



UNIVERSITI TEKNIKAL MALAYSIA MELAKA

STAFF PROFILE

NAME PROFESOR MADYA IR. DR. ROSZAIDI BIN RAMLAN

FACULTY / CENTRE FAKULTI KEJURUTERAAN MEKANIKAL

DESIGNATION PENSYARAH UNIVERSITI

CURRENT POSITION PROFESOR MADYA - FAKULTI KEJURUTERAAN MEKANIKAL

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ACADEMIC QUALIFICATION

YEAR	QUALIFICATION	INSTITUTION
2009	KEDOKTORAN FALSAFAH (PH.D)	UNIVERSITY OF SOUTHAMPTON
2002	SARJANA (MASTERS)	UMIST
2001	SARJANA MUDA KEPUJIAN(BACHELOR HONS)	UMIST

FIELD OF INTEREST

MECHANICAL VIBRATION, VIBRATION BASED ENERGY HARVESTING, VIBRATION CONTROL

TEACHING EXPERIENCE *(last 5 years)*

UNDERGRADUATES

SESSION	COURSE
2021/2022	BMCG4813 - CONDITION BASED MAINTENANCE
2021/2022	DMCU1912 - TECHNOLOGY & ENGINEERING WORKSHOP PRACTICE I
2020/2021	BMCG3011 - MECHANICAL ENGINEERING LABORATORY III
2020/2021	BMCG4213 - VIBRATION MONITORING OF ROTATING MACHINERY
2020/2021	BMCG4813 - CONDITION BASED MAINTENANCE
2020/2021	DMCM2713 - DYNAMICS
2019/2020	BMCG1213 - DYNAMICS
2019/2020	BMCG4213 - VIBRATION MONITORING OF ROTATING MACHINERY
2019/2020	BMCG4813 - CONDITION BASED MAINTENANCE
2019/2020	DMCM2713 - DYNAMICS
2018/2019	BMCG1213 - DYNAMICS
2018/2019	BMCG3233 - MECHANICAL VIBRATION
2018/2019	BMCG4213 - VIBRATION MONITORING OF ROTATING MACHINERY
2018/2019	BMCG4813 - CONDITION BASED MAINTENANCE
2017/2018	BMCG3233 - MECHANICAL VIBRATION
2017/2018	BMCG4213 - VIBRATION MONITORING OF ROTATING MACHINERY
2017/2018	BMCG4813 - CONDITION BASED MAINTENANCE
2017/2018	BMCP4113 - CONDITION BASED MAINTENANCE
2017/2018	BMCU3013 - INTEGRATED DESIGN PROJECT

2017/2018	DMCM2713 - DYNAMICS
2016/2017	BMCG3233 - MECHANICAL VIBRATION

POSTGRADUATES

SESSION	COURSE
2017/2018	MMCA5643 - NOISE, VIBRATION AND HARSHNESS

LIST OF GRANTS (*last 5 years*)

YEAR AWARDED	TITLE OF PROJECT	TYPE OF GRANT	AMOUNT (RM)	ROLE
2020	WIDEBAND DYNAMIC VIBRATION ABSORBER USING COMBINED HARDENING AND SOFTENING NONLINEARITIES FOR EFFECTIVE VIBRATION SUPPRESSION	GERAN FRGS (NATIONAL)	74640	MAIN RESEARCHER

PUBLICATIONS (last 5 years)**JOURNAL**

YEAR	TITLE	NAME OF JOURNAL	AUTHORS
2020	ABSORPTION COEFFICIENT OF A DOUBLE-LAYER INHOMOGENEOUS MICRO-PERFORATED PANEL BACKED WITH MULTIPLE CAVITY DEPTHS	ACOUSTICS AUSTRALIA	ALI I. MOSA, A. PUTRA, R. RAMLAN & AL- AMERI ESRAA
2020	EXPERIMENTAL ANALYSIS ON THE TRANSDUCTION COEFFICIENT OF A NON-LINEAR ELECTROMAGNETIC ENERGY HARVESTING DEVICE WITH SOFTENING STIFFNESS	INTERNATIONAL JOURNAL OF AUTOMOTIVE AND MECHANICAL ENGINEERING	LOW PEI SING, ROSZAIDI RAMLAN, HILMIAH A GHANI, NOR SALIM MUHAMMAD
2020	EXPERIMENTAL CHARACTERIZATION AND PERFORMANCE OF DYNAMIC VIBRATION ABSORBER WITH TUNABLE PIECEWISE-LINEAR STIFFNESS	JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING	MUHAMMAD HARITH MUSTAFFER, ROSZAIDI RAMLAN, MOHD NAZIM ABDUL RAHMAN, AZMA PUTRA
2020	WIDEBAND NON-LINEAR VIBRATION PIEZOELECTRIC ENERGY HARVESTING USING A PIECEWISE-LINEAR MECHANISM	INTERNATIONAL JOURNAL OF NANOELECTRONICS AND MATERIALS	MUHAMMAD HARITH MUSTAFFER, ROSZAIDI RAMLAN, WAN AHMAD FAIZ WAN HASHIM, MOHD NAZIM ABDUL RAHMAN, AZMA PUTRA
2020	WIDEBAND SOUND ABSORPTION OF A DOUBLE-LAYER MICROPERFORATED PANEL WITH INHOMOGENEOUS PERFORATION	APPLIED ACOUSTICS	MOSA A.I., PUTRA A., RAMLAN R., ESRAA A.-A.
2019	THEORETICAL MODEL OF ABSORPTION COEFFICIENT OF AN INHOMOGENEOUS MPP ABSORBER WITH MULTI-CAVITY DEPTHS	APPLIED ACOUSTICS	MOSA A.I., PUTRA A., RAMLAN R., PRASETIYO I., ESRAA A.-A.
2018	EFFECT OF NICKLE FOIL WIDTH ON THE GENERATED WAVE MODE FROM A MAGNETOSTRICTIVE SENSOR	DEFENCE S&T TECHNICAL BULLETIN	NOR SALIM MUHAMMAD, AYUOB SULTAN SAIF ALNADHARI, ROSZAIDI RAMLAN, REDUAN MAT DAN, RUZTAMREEN JENAL & MOHD KHAIRI MOHAMED NOR
2018	RAPID DEFECT SCREENING ON PLATE STRUCTURES USING INFRARED THERMOGRAPHY	DEFENCE S&T TECHNICAL BULLETIN	NOR SALIM MUHAMMAD, ABD RAHMAN DULLAH, AHMAD FUAD AD GHANI, ROSZAIDI RAMLAN & RUZTAMREEN JENAL

PROFESSIONAL MEMBERSHIPS / LEARNED SOCIETY

YEAR	ROLE	INSTITUTION	LEVEL
2020	PROFESSIONAL ENGINEER	LEMBAGA JURUTERA MALAYSIA (BEM)- (ENGINEERS ACT 1967)	KEBANGSAAN
2017	CHARTERED ENGINEER (ENGINEERING COUNCIL)	LAIN-LAIN	ANTARABANGSA
2017	AHLI (INSTITUTION OF MECHANICAL ENGINEERS)	LAIN-LAIN	ANTARABANGSA
2016	CERTIFIED VIBRATION ANALYST ISO 18436-2 CAT III (MOBIUS BOARD OF CERTIFICATION)	LAIN-LAIN	ANTARABANGSA
2015	GRADUATE ENGINEER	LEMBAGA JURUTERA MALAYSIA (BEM)- (ENGINEERS ACT 1967)	KEBANGSAAN
2013	FOUNDING MEMBER (SOCIETY OF VIBRATION AND ACOUSTICS MALAYSIA)	LAIN-LAIN	KEBANGSAAN

POSTGRADUATE SUPERVISION *(last 5 years)*

NO	NAME	LEVEL OF STUDY	ROLE	STATUS
1	ALI IBRAHIM MOSA	DOCTORATE	CO-SUPERVISOR	GRADUATED (2021)
2	DG HAFIZAH BINTI KASSIM	DOCTORATE	CO-SUPERVISOR	ACTIVE
3	BONG YU JING	DOCTORATE	CO-SUPERVISOR	ACTIVE
4	THONG LI WAH	DOCTORATE	CO-SUPERVISOR	ACTIVE
5	MUHAMMAD HARITH BIN MUSTAFFER	MASTERS	MAIN SUPERVISOR	GRADUATED (2020)
6	OR KHAI HEE	MASTERS	CO-SUPERVISOR	GRADUATED (2018)
7	LOW PEI SING	MASTERS	MAIN SUPERVISOR	GRADUATED (2017)
8	NUR HIKMAH BINTI HASHIM @ AZIZ	MASTERS	CO-SUPERVISOR	GRADUATED (2017)
9	LIM KAH HEI	MASTERS	MAIN SUPERVISOR	GRADUATED (2017)
10	HILMAH BINTI A.GHANI	MASTERS	MAIN SUPERVISOR	GRADUATED (2016)
11	CHEAH YEE MUN	MASTERS	CO-SUPERVISOR	GRADUATED (2016)
12	KHALIS BIN SUHAIMI	MASTERS	MAIN SUPERVISOR	GRADUATED (2015)
13	WAN MUHAMMAD AMIR FIRDAUS BIN WAN ABDULLAH	MASTERS	MAIN SUPERVISOR	ACTIVE

CONSULTANCY

YEAR	TITLE OF PROJECT	AGENCY	ROLES	LEVEL
2019	SIMULATION AND ANALYSIS OF PIPELINE VIBRATION USING OPERATING DEFLECTION SHAPE (ODS)	INTEKMA ENGINEERING SERVICES & TRADING SDN.BHD.	MEMBER	NATIONAL

KATEGORI MAKLUMAT	PEJABAT DIRUJUK
PERSONAL INFORMATION	BAHAGIAN SUMBER MANUSIA, PEJABAT PENDAFTAR
ACADEMIC QUALIFICATON	
PROFESSIONAL MEMBERSHIP / LEARNED SOCIETY	
TEACHING EXPERIENCE	BAHAGIAN PENGURUSAN AKADEMIK, PEJABAT PENDAFTAR
<ul style="list-style-type: none"> • UNDERGRADUATES 	
<ul style="list-style-type: none"> • POSTGRADUATES 	PUSAT PENGAJIAN SISWAZAH (PPS)
POSTGRADUATE SUPERVISION	PUSAT PENGAJIAN SISWAZAH (PPS)
FIELD OF INTEREST	PUSAT PENGURUSAN PENYELIDIKAN DAN INOVASI (CRIM)
LIST OF GRANTS	
LIST OF RESEARCH AWARDS	PUSAT PENGKOMERSILAN (UCC)
INTELLECTUAL PROPERTIES	
COMMERCIALIZATION	
PUBLICATIONS	PERPUSTAKAAN LAMAN HIKMAH
CONSULTANCY	PUSAT JARINGAN INDUSTRI DAN MASYARAKAT (PJIM)