



UNIVERSITI TEKNIKAL MALAYSIA MELAKA

STAFF PROFILE

NAME IR. TS. DR. MOHD FAUZI BIN AB RAHMAN

FACULTY / CENTRE FAKULTI TEKNOLOGI KEJURUTERAAN ELEKTRIK DAN ELEKTRONIK

DESIGNATION PENSYARAH UNIVERSITI

CURRENT POSITION KETUA JABATAN TEKNOLOGI KEJURUTERAAN ELEKTRONIK DAN KOMPUTER - FAKULTI TEKNOLOGI KEJURUTERAAN ELEKTRIK DAN ELEKTRONIK

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ACADEMIC QUALIFICATION

YEAR	QUALIFICATION	INSTITUTION
2019	KEDOKTORAN FALSAFAH (PH.D)	UNIVERSITI MALAYA
2011	SARJANA (MASTERS)	UNIVERSITI TEKNIKAL MALAYSIA MELAKA
2001	SARJANA MUDA (BACHELOR)	TOKAI UNIVERSITI JEPUN

FIELD OF INTEREST

PULSED FIBER LASERS

TEACHING EXPERIENCE *(last 5 years)*

UNDERGRADUATES

SESSION	COURSE
2021/2022	BEEE2373 - ELECTRICAL TECHNOLOGY
2020/2021	BEEE2373 - ELECTRICAL TECHNOLOGY
2020/2021	BEEE3804 - POWER ELECTRONIC
2020/2021	BEEE4824 - ELECTRICAL DRIVES & CONTROL
2020/2021	BEEU4053 - ENGINEERING ETHICS & OSHE
2019/2020	BEEE2354 - ELECTRONIC SYSTEMS
2019/2020	BEEE2373 - ELECTRICAL TECHNOLOGY
2019/2020	BEEE3804 - POWER ELECTRONIC
2019/2020	BEEE4824 - ELECTRICAL DRIVES & CONTROL

LIST OF GRANTS *(last 5 years)*

YEAR AWARDED	TITLE OF PROJECT	TYPE OF GRANT	AMOUNT (RM)	ROLE
2021	INTEGRATION OF 2D NANOMATERIAL OPTICAL DEVICE IN AN OPTIMIZED DUAL NOTCH SIDE-POLISHED FIBER FOR ULTRAFAST PULSED FIBER LASER APPLICATION.	GERAN FRGS (NATIONAL)	62800	MAIN RESEARCHER
2019	HIGH POWER ULTRASHORT FIBER LASER SYSTEM	GERAN MYLAB (NATIONAL)	340320	CO-RESEARCHER
2019	GERAN SANJUNGAN INSENTIF PENERBITAN JURNAL 2018	GERAN SANJUNGAN INSENTIF PENERBITAN JURNAL (UTEM)	5000	MAIN RESEARCHER

PUBLICATIONS (last 5 years)**JOURNAL**

YEAR	TITLE	NAME OF JOURNAL	AUTHORS
2020	INDUCING Q-SWITCHING OPERATION AT 1-MICRON ALL-FIBER LASER VIA LUTETIUM OXIDE FILM SATURABLE ABSORBER	OPTIK	MF BAHAROM, MFA RAHMAN, AA LATIFF, R APSARI, SW HARUN
2019	HOLMIUM BASED NANOSECONDS PULSED FIBRE LASER GENERATION IN THE 2-MICRON REGION	OPTIK	MFA RAHMAN, MBH MAHYUDDIN, AA LATIFF, MC PAUL, A DHAR, S DAS, P YUPAPIN, M YASIN, SW HARUN
2019	HOLMIUM OXIDE THIN FILM AS A SATURABLE ABSORBER FOR GENERATING Q-SWITCHED AND MODE-LOCKED ERBIUM-DOPED FIBER LASERS	OPTICAL FIBER TECHNOLOGY	AHMED SHAKIR AL-HITI, MFA RAHMAN, SW HARUN, P YUPAPIN, M YASIN
2019	LUTETIUM (III) OXIDE FILM AS PASSIVE MODE LOCKER DEVICE FOR ERBIUM-DOPED FIBRE LASER CAVITY	OPTICS COMMUNICATIONS	MF BAHAROM, MFA RAHMAN, AA LATIFF, P WANG, SW HARUN
2019	LUTETIUM OXIDE FILM AS A PASSIVE SATURABLE ABSORBER FOR GENERATING Q-SWITCHED FIBER LASER AT 1570 NM WAVELENGTH	OPTICAL FIBER TECHNOLOGY	MF BAHAROM, MFA RAHMAN, AA LATIFF, P WANG, H AROF, SW HARUN
2019	PASSIVELY Q-SWITCHED FIBER LASER UTILIZING NEW HAFNIUM-BISMUTH-ERBIUM CO-DOPED FIBER AS SATURABLE ABSORBER	INDIAN JOURNAL OF PHYSICS	M F A RAHMAN, A A LATIFF, P H REDDY, S DAS, A DHAR, M C PAUL, S W HARUN
2019	Q-SWITCHED AND MODE-LOCKED THULIUM DOPED FIBER LASERS WITH NICKEL OXIDE FILM SATURABLE ABSORBER	OPTICS COMMUNICATIONS	M.F.M. RUSDI, A.H.A. ROSOL, M.F.A. RAHMAN, M.B.H. MAHYUDDIN, A.A. LATIFF, H. AHMAD, S.W. HARUN, M. YASIN
2019	TITANIUM DIOXIDE FIBER SATURABLE ABSORBER FOR Q-SWITCHED FIBER LASER GENERATION IN THE 1-MICROMETER REGION	APPLIED OPTICS	MFA RAHMAN, PH REDDY, MC PAUL, S DAS, A DHAR, MF BAHAROM, AA LATIFF, MFM RUSDI, P WANG, K DIMYATI, SW HARUN
2018	AN 8 CM LONG HOLMIUM-DOPED FIBER SATURABLE ABSORBER FOR Q-SWITCHED FIBER LASER GENERATION AT 2-UM REGION	OPTICAL FIBER TECHNOLOGY	M.F.A. RAHMAN, A. DHAR, S. DAS, D. DUTTA, M.C. PAUL, M.F.M. RUSDI, A.A. LATIFF, K. DIMYATI, S.W. HARUN
2018	PASSIVELY Q-SWITCHED FIBRE LASER UTILIZING ERBIUM-DOPED FIBRE SATURABLE ABSORBER FOR OPERATION IN C-BAND REGION	JOURNAL OF MODERN OPTICS	M. F. A. RAHMAN, A. A. LATIFF, M. F. M. RUSDI, K. DIMYATI & S. W. HARUN
2018	PURE ANTIMONY FILM AS SATURABLE ABSORBER FOR Q-SWITCHED ERBIUM-DOPED FIBER LASER	JOURNAL OF MODERN OPTICS	RAHMAN M.F.A., ZHALILAH M.Z., LATIFF A.A., ROSOL A.H.A., LOKMAN M.Q., BUSHROA A.R., DIMYATI K., HARUN S.W.
2018	Q-SWITCHED AND MODE-LOCKED THULIUM-DOPED FIBER LASER WITH PURE ANTIMONY FILM SATURABLE ABSORBER	OPTICS COMMUNICATIONS	M.F.A. RAHMAN, A.A. LATIFF, U.Z.M. ZAIDI, M.F.M. RUSDI, A.H.A. ROSOL, A.R. BUSHROA, K. DIMYATI, S.W. HARUN
2018	Q-SWITCHED THULIUM-DOPED FIBER LASER USING VANADIUM OXIDE SATURABLE ABSORBER	NONLINEAR OPTICS QUANTUM OPTICS	M. F. A. RAHMAN, M. F. M. RUSDI, S. W. HARUN AND M. YASIN
2018	Q-SWITCHED YTTERBIUM-DOPED FIBER LASER VIA A THULIUM-DOPED FIBER SATURABLE ABSORBER	APPLIED OPTICS	MOHD F. A. RAHMAN, ANAS A. LATIFF, MUHAMMAD F. M. RUSDI, KAHARUDIN DIMYATI, AND SULAIMAN W. HARUN
2018	TITANIUM DIOXIDE DOPED FIBER AS A NEW SATURABLE ABSORBER FOR GENERATING MODE-LOCKED ERBIUM DOPED FIBER LASER	OPTIK	REDDY P.H., RAHMAN M.F.A., PAUL M.C., LATIFF A.A., ROSOL A.H.A., DAS S., DHAR A., BHADRA S.K., DIMYATI K., HARUN S.W.
2018	ULTRASHORT PULSE SOLITON FIBER LASER GENERATION WITH INTEGRATION OF ANTIMONY FILM SATURABLE ABSORBER	JOURNAL OF LIGHTWAVE TECHNOLOGY	MOHD FAUZI AB RAHMAN, ANAS ABDUL LATIFF, AHMAD HAZIQ AIMAN ROSOL, KAHARUDIN DIMYATI, PENGFEI WANG, AND SULAIMAN WADI HARUN
2017	HOLMIUM OXIDE FILM AS A SATURABLE ABSORBER FOR 2 UM Q-SWITCHED FIBER LASER	CHINESE PHYSICS LETTERS	M. F. A. RAHMAN, M. F. M. RUSDI, M. Q. LOKMAN, M. B. H. MAHYUDDIN, A. A. LATIFF, A. H. A. ROSOL, K. DIMYATI, S. W. HARUN

CONFERENCE

YEAR	TITLE	NAME OF CONFERENCE	AUTHORS
2019	PASSIVELY Q-SWITCHED ERBIUM DOPED FIBER LASER BY INCORPORATING A SEGMENT OF THULIUM DOPED FIBER SATURABLE ABSORBER	NEWTON RESEARCHER LINKS WORKSHOP: 2018 BIO-PHOTONICS FOR MEDICAL TECHNOLOGIES	MFA RAHMAN, MFM RUSDI, AA LATIFF, MB HISYAM, K DIMYATI, SW HARUN
2019	YTTERBIUM DOPED FIBER SATURABLE ABSORBER FOR A STABLE PASSIVELY Q-SWITCHED FIBER LASER IN THE 1-MICRON REGION	NEWTON RESEARCHER LINKS WORKSHOP: 2018 BIO-PHOTONICS FOR MEDICAL TECHNOLOGIES	MFA RAHMAN, MFM RUSDI, AR MUHAMMAD, AA LATIFF, A AHMAD, K DIMYATI, SW HARUN
2019	Q-SWITCHED THULIUM-DOPED FIBER LASER WITH BISMUTH-DOPED FIBER SATURABLE ABSORBER	PHOTONICS MEETING 2019, THE 2ND ANNUAL CONFERENCE AND WORKSHOP	B MUSA, AA LATIFF, MFM RUSDI, MFA RAHMAN, NF ZULKIPLI, FSM SAMSAMNUN, AAA JAFRY, SW HARUN
2019	Q-SWITCHED THULIUM-DOPED FIBRE LASER USING BISMUTH (III) TELLURIDE-BASED SATURABLE ABSORBER	PHOTONICS MEETING 2019, THE 2ND ANNUAL CONFERENCE AND WORKSHOP	MFM RUSDI, XS CHENG, AA LATIFF, AHA ROSOL, MT AHMAD, MFA RAHMAN, SW HARUN
2019	TITANIUM DIOXIDE-BASED PICOSECONDS PULSED FIBER LASER PERFORMANCES COMPARISON IN THE 1.5-MICRON REGION	PHOTONICS MEETING 2019, THE 2ND ANNUAL CONFERENCE AND WORKSHOP	MFA RAHMAN, PH REDDY, MC PAUL, S DAS, A DHAR, MFM RUSDI, AA LATIFF, K DIMYATI, SW HARUN
2019	NICKEL OXIDE AS A Q-SWITCHER FOR SHORT PULSED THULIUM DOPED FIBER LASER GENERATION	NEWTON RESEARCHER LINKS WORKSHOP: 2018 BIO-PHOTONICS FOR MEDICAL TECHNOLOGIES	MFM RUSDI, AA LATIFF, MT AHMAD, MFA RAHMAN, AHA ROSOL, SW HARUN, H AHMAD

PROFESSIONAL MEMBERSHIPS / LEARNED SOCIETY

YEAR	ROLE	INSTITUTION	LEVEL
2019	JURUTERA PROFESIONAL	LEMBAGA JURUTERA MALAYSIA (BEM)-(ENGINEERS ACT 1967)	KEBANGSAAN
2019	AHLI	INSTITUT JURUTERA MALAYSIA (IEM)	KEBANGSAAN
2019	TEKNOLOGIS PROFESIONAL (LEMBAGA TEKNOLOGIS MALAYSIA (MBOT))	LAIN-LAIN	KEBANGSAAN
2017	AHLI (PERSATUAN OPTIK MALAYSIA)	LAIN-LAIN	KEBANGSAAN
2010	JURUTERA SISWAZAH	LEMBAGA JURUTERA MALAYSIA (BEM)-(ENGINEERS ACT 1967)	KEBANGSAAN

STAFF PROFILE

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)