

Master of Engineering Science at LKC FES

Programme Structure

By Research: 2 Compulsory modules (6 credit hours) + Thesis

Details of Units:

No	Unit Code	Unit Title	Type	Credit Hours
1	MEGB10100	Thesis	Core	0
2	MEGG10203	Directed Readings in Science and Engineering	Compulsory	3
3	MEGG10303	Research Methods in Science and Engineering	Compulsory	3

Intakes: Open throughout the year

Duration

Full-time:

Normal 2 year; Maximum 4 years

Part-time:

Normal 3 years; Maximum 6 years

Indicative Fee (RM)

Malaysian

Full-time :RM 8,048.00

Part-time :RM 7,657.00

International

Full-time: RM15, 716.00

Mode of Study: By Research

Head of Programme

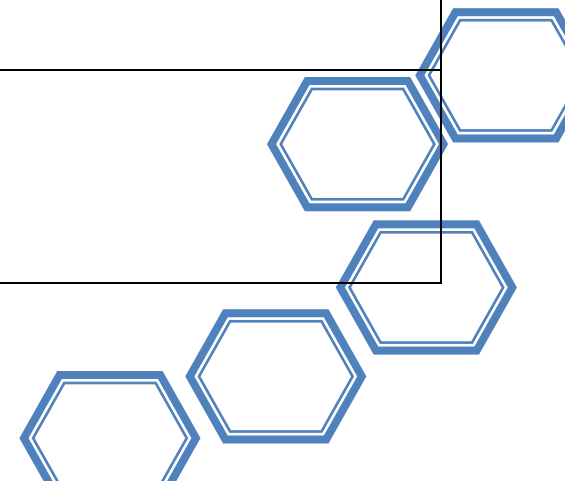
Dr Ezra Morris

ezram@utar.edu.my

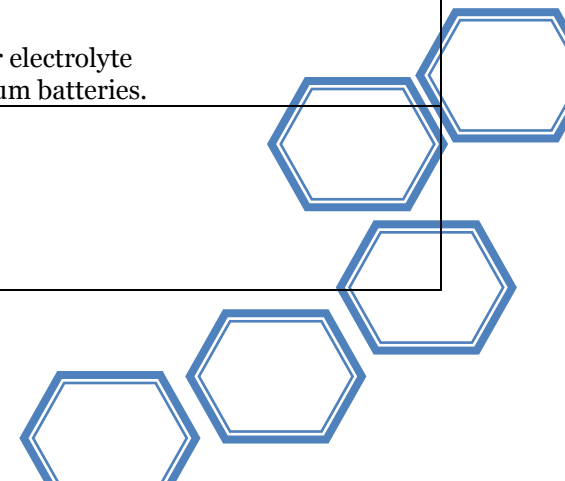
LIST OF POTENTIAL SUPERVISOR

(applicant is advised to discuss with potential supervisor before preparing the research proposal)

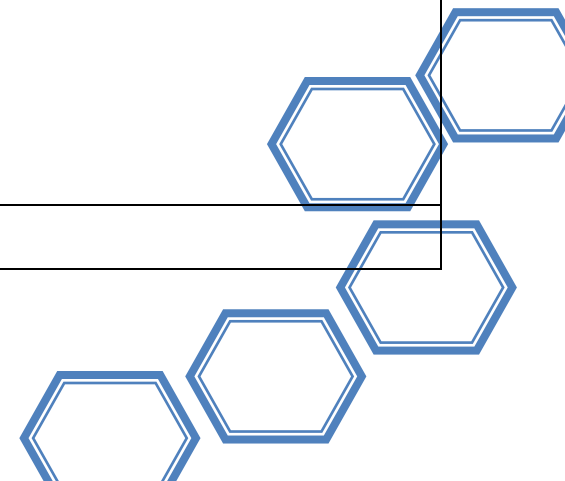
<p>PROF DR CHONG KOK KEONG</p> <p>chongkk@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=chewkw&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • Energy • Renewable energy • Solar energy • Concentrating solar power • Solar cell technology • Solar thermal process
<p>PROF. DR EWE HONG TAT</p> <p>Email me at: eweht@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=eweht&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • Microwave Remote Sensing • Satellite Image Processing • Intelligent Computing • Network Technology
<p>PROF. IR. DR. GOI BOK MIN</p> <p>Email me at: goibm@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=goibm&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • Communication and Embedded System Designs. • Information Security and Cryptology
<p>PROF. IR. DR. YOW HO KWANG</p> <p>Email me at: yowhk@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=yowhk&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • III-V Semiconductors, Devices and Processing • Polymer-based LEDs/solar cells • Silicon defects detection
<p>Prof. Ir. Dr. Lee Sze Wei</p> <p>Email me at: leeszewei@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=lswei&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • Telecommunication Network



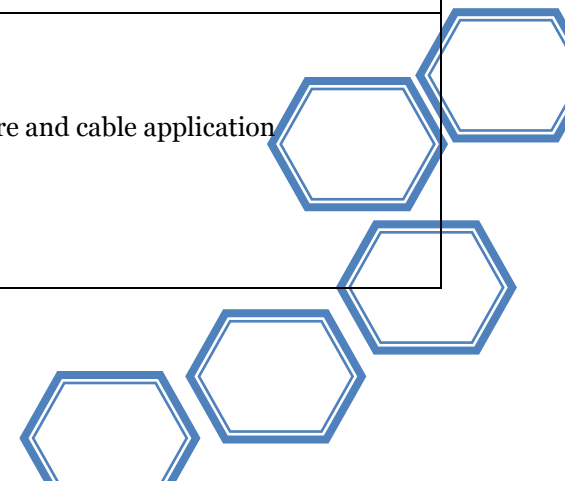
<p>Prof. Dr Faidz bin Abd Rahman</p> <p>Email me at: faidzar@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=faidzar&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • Acousto-optics tunable filter • Fiber laser and amplifier • Fiber microlenses • Optical Fiber Sensor
<p>PROF. IR. CHUNG BOON KUAN</p> <p>Email me at: chungbk@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=chungbk&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • Anechoic Chamber • Electromagnetic Theory • Microwave Techniques • Electromagnetic Compatibility • Antenna • Radar Systems • Communication Theory and Techniques • Remote Sensing • High-speed Electronics
<p>ASSOC. PROF. DR. CHEW KUEW WAI</p> <p>chewkw@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=chewkw&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <p>Electric Vehicle Related Research:</p> <ul style="list-style-type: none"> • EV as distributed energy storage device that flatten the peak demand curve. • V2G and G2V communication protocol design and implementation for smart grid and EV. • Distance Estimation System for an EV. • Cell balancing and fault detection for EV's battery system. • Integration of SC into EV battery system to enhance the energy usage efficiency. • EV as center micro-grid for energy harvesting system and distribution. <p>Materials related research:</p> <ul style="list-style-type: none"> • Polymer electrolyte for lithium based polymer electrolyte • Novel biodegradable polymer system for lithium batteries.
<p>ASST. PROF. DR LEONG LOONG KONG</p> <p>Email me at: leonglk@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=leonglk&reqPageId</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • Advanced Materials • Heterogeneous Catalysis



<p>=aboutMe</p>	<ul style="list-style-type: none"> • Petrochemical Processes • Selective Oxidation • Surface Science
<p>Assistant Professor Dr. Chen Kah Pin</p> <p>Email me at: chenkp@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=chenkp&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • Polymer solar cell fabrication • Nanoscale materials fabrication
<p>DR. YEO HENG GIAP IVAN</p> <p>Email me at: yeohg@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=yeohg</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • Operations Research • Deterministic Inventory Models
<p>DR. LIM BOON HAN</p> <p>Email me at: limbhan@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=limbhan&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • Solar Energy – Photovoltaic System • Solar Energy – Smart PV Module • Concentrated Solar Thermal Energy • Energy Efficiency • Daylighting
<p>CHONG POH KIT</p> <p>Email me at: pkchong@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=pkchong&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • Embedded Systems • Massively Parallel Processing • TCP/IP • Wireless Pathloss Modelling • Wireless Sensor Networks
<p>Dr LAI AN CHOW</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • Embedded System and Control



<p>Email me at: laiac@utar.edu.my View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=laiac&reqPageId=aboutMe</p>	<ul style="list-style-type: none"> • High Performance Computer Architecture • Sensor Networks and Applications
<p>Dr LEE KIM YEE Email me at: kylee@utar.edu.my View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=kylee&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • Dielectric Measurement • Microwave Instrumentation • Microwave Sensor
<p>DR LEE POH FOONG Email me at: leepf@utar.edu.my View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=leepf&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • Brainwaves with EEG analysis on depression • Lab on chip on biomedical area • Microfluidic • Plasma technology • Surface Charge Unicellular Cell, Nanogold cancer treatment
<p>Gulnaziya Issabayeva Email me at: gulnaziya@utar.edu.my View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=gulnaziya&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • Adsorption of heavy metals • Adsorption properties of palm shell activated carbon • Electrodeposition of heavy metals • Removal of heavy metals by Electrosorption onto palm shell activated carbon • Wastewater treatment: removal of heavy metals
<p>Bee Soo Tuen Email me at: beest@utar.edu.my View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=beest&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • biopolymer • Fire retardant polymeric materials • Insulation polymeric materials for wire and cable application • polymer materials for packaging



Low Kaw Sai

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<http://www.utar.edu.my/cv/index.jsp?cv=lowks&reqPageId=aboutMe>

RESEARCH AREA / EXPERTISE

- Softground Engg, Coastal Engg, Soil Stabilisation, Bamboo RC Structure, Highway Engg

